STRUCTURE SEARCH

```
=> d his l135

     (FILE 'HCAPLUS' ENTERED AT 11:16:13 ON 28 AUG 2009)
L135         30 S L134 OR L132

=> d que l135
L2            6 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  (134367-40-1/
                BI OR 28133-65-5/BI OR 2997-92-4/BI OR 6132-04-3/BI OR
                7757-82-6/BI OR 9003-39-8/BI)
L3              STR
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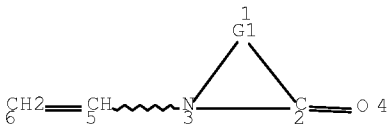


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REP G1=(2-8) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
L5              SCR 2043
L7        10986 SEA FILE=REGISTRY SSS FUL L3 AND L5
L9        56482 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L7
L10             QUE  SPE=ON  ABB=ON  PLU=ON  SALT OR ELECTROLYT?
L11             QUE  SPE=ON  ABB=ON  PLU=ON  SUSPEN? OR DISPERS? OR COL
                LOID? OR EMULS? OR MICROEMULS? OR SLURR?
L12        3337 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L10
                AND L11
L13       56173 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  DISPERS?(2A)(P
                OLYMERI? OR ANION? OR AGENT)
L14         501 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L12 AND L13
L15             QUE  SPE=ON  ABB=ON  PLU=ON  "DISPERSING AGENTS"/CT
L16             QUE  SPE=ON  ABB=ON  PLU=ON  "DISPERSE SYSTEMS"/CT
L17             QUE  SPE=ON  ABB=ON  PLU=ON  "SALTS, USES"/CT
L18           9 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND (L15
                OR L16) AND L17
L19         502 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L14 OR L18
L20           3 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L2 AND
                ?SALT?/CNS
L21           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                SULFATE/CN
L22           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  POTASSIUM
                SULFATE/CN
L23           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  AMMONIUM
                SULFATE/CN
L24           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  MAGNESIUM
                SULFATE/CN
L25           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  ALUMINUM
                SULFATE/CN
L26           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                CHLORIDE/CN
L27           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  POTASSIUM
                CHLORIDE/CN
L28           1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
```

```
                DIHYDROGEN PHOSPHATE/CN
L29             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  DIAMMONIUM
                HYDROGEN PHOSPHATE/CN
L30             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  DIPOTASSIUM
                HYDROGEN PHOSPHATE/CN
L31             2 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  CALCIUM
                PHOSPHATE/CN
L32             2 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                CITRATE/CN
L33             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  IRON
                SULFATE/CN
L34             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  CALCIUM
                NITRATE/CN
L35             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                NITRATE/CN
L36             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  AMMONIUM
                NITRATE/CN
L37             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  ALUMINUM
                NITRATE/CN
L38             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                THIOCYANATE/CN
L39             1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  SODIUM
                IODIDE/CN
L40            23 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  (L20 OR L21
                OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28 OR
                L29 OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36
                OR L37 OR L38 OR L39)
L41             3 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  ("SODIUM
                CITRATE ANHYDROUS"/CN OR "SODIUM CITRATE DIHYDRATE"/CN
                OR "SODIUM CITRATE HYDRATE"/CN)
L42            24 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L40 OR L41
L43                STR
```


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VAR G1=5/6
VAR G2=14/15
VAR G3=3/9
NODE ATTRIBUTES:
CONNECT IS E1  RC AT   4
CONNECT IS E1  RC AT   5
CONNECT IS E1  RC AT   6
CONNECT IS E1  RC AT  10
CONNECT IS E1  RC AT  13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X15 C  AT   5
ECOUNT  IS M1-X12 C  AT  14
ECOUNT  IS M3-X12 C  AT  15

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  16

STEREO ATTRIBUTES: NONE
L45             SCR 1199
L50             SCR 1929 OR 2025 OR 2019 OR 2026 OR 1992 OR 2021 OR 1949
L52      370456 SEA FILE=REGISTRY SSS FUL L43 AND L45 NOT L50
L54       12870 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L52 AND
```

```
                A1/PG
L55           15 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L52 AND
                ?AMMONIUM?/CNS
L58        70107 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  79-10-7/RN,CR
                N
L59            1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  9003-01-4/RN

L61        54786 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  79-41-4/RN,CR
                N
L62       118683 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L58 OR L59
                OR L61
L63        20091 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L62 AND
                (A1/PG OR ?AMMONIUM?/CNS)
L64        12559 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L52 AND
                ((FORMIC OR ACETIC OR CITRIC OR OXALIC OR MALONIC)/CNS
                AND ?ACID?/CNS)
L74               QUE  SPE=ON  ABB=ON  PLU=ON  L42
L75            4262 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L74
L82               QUE  SPE=ON  ABB=ON  PLU=ON  L54 OR L55
L83               QUE  SPE=ON  ABB=ON  PLU=ON  L63
L84            4156 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND (L82
                OR L83)
L85           10249 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L64
L86           14383 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L75 OR L84 OR
                L85
L87             297 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L86 AND L19
L88             297 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L87 AND (L13
                OR L15 OR L16)
L89             981 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  ?POLYM?(4A)ANI
                ON?(4A)DISPERS?
L90              12 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L88 AND L89
L93           10948 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L41
L94             561 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L86 AND L93
L95               2 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L94 AND L89
L96              25 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L86 AND L89
L97            6017 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L61
L98           12616 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L62
L99            2242 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L98 AND L63
L100             15 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L99 AND L89
L101          25701 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L62(3A)COPOLYM
                ER
L102           1424 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L9 AND L101
L103              9 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L102 AND L89
L104             27 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L90 OR L95 OR
                L96 OR L100 OR L103
L105             12 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L104 AND L19
L106             33 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L104 OR L105
                OR L18
L107           2909 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  ANION?(2A)DISP
                ERS?
L108             20 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L107 AND L106

L109          12616 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  (L97 OR L98
                OR L99) OR L102
L110             27 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L109 AND L89
L111             32 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L109 AND L107

L112             42 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L108 OR L110
                OR L111
L113              QUE  SPE=ON  ABB=ON  PLU=ON  VINYL(A)?LACTAM? OR VINYLL
                ACTAM?
L114              4 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L112 AND L113

L116              QUE  SPE=ON  ABB=ON  PLU=ON  ?LACTAM?
L117              QUE  SPE=ON  ABB=ON  PLU=ON  LACTAMS/CT
L118              7 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L112 AND
                (L116 OR L117)
```

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L119         26 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L19 AND (L116
                OR L117)
L120         64 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L112 OR L114
                OR L118 OR L119
L121            QUE  SPE=ON  ABB=ON  PLU=ON  L2
L122        416 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L19 AND L121
L124         10 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L122 AND L89
L125         17 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L122 AND L107

L126         31 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L120 AND L89
L127         36 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L120 AND L107

L128         49 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  (L124 OR L125
                OR L126 OR L127)
L129            QUE  SPE=ON  ABB=ON  PLU=ON  PRODUC? OR PROD# OR GENERA
                T? OR MANUF? OR MFR# OR CREAT? OR FORM## OR FORMING# OR
                 FORMAT? OR MAKE# OR MADE# OR MAKING# OR FABRICAT? OR S
                YNTHESI? OR PREPAR? OR PREP# OR PROCESS? OR METHOD?
L130         40 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L128 AND L129

L131            QUE  SPE=ON  ABB=ON  PLU=ON  PY=<2004 NOT P/DT
L132          0 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L130 AND L131

L133            QUE  SPE=ON  ABB=ON  PLU=ON  (PY=<2004 OR PRY=<2004 OR
                AY=<2004 OR MY=<2004 OR REVIEW/DT) AND P/DT
L134         30 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L130 AND L133

L135         30 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L134 OR L132
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STRUCTURE SEARCH RESULTS

```
=> d his l137

     (FILE 'HCAPLUS' ENTERED AT 11:16:13 ON 28 AUG 2009)
L137          8 S L135 AND L136

=> d l137 1-8 ibib ed abs hitstr hitind

L137 ANSWER 1 OF 8  HCAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2005:1154598  HCAPLUS  Full-text
DOCUMENT NUMBER:          143:423028
TITLE:                    Method for producing a
                          water-in-water polyvinyllactam
                          dispersion by radical
                          polymerization in presence of
                          salts and anionic
                          dispersants
INVENTOR(S):              Chrisstoffels, Lysander; Widmaier, Ralf;
                          Garcia, Castro Ivette; Wegmann, Ludger
PATENT ASSIGNEE(S):       Basf Aktiengesellschaft, Germany; Garcia
                          Castro, Ivette
SOURCE:                   PCT Int. Appl., 26 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
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     WO 2005100415         A1    20051027    WO 2005-EP3915
                                                                    2005
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             ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
             ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH,
             CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT,
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             CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     DE 102004019179       A1    20051110    DE 2004-102004019179
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US 20070154438 A1 20070705 US 2006-591654
2006
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PRIORITY APPLN. INFO.: DE 2004-102004019179A
2004
0416
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WO 2005-EP3915 W
2005
0414

OTHER SOURCE(S): MARPAT 143:423028
ED Entered STN: 28 Oct 2005

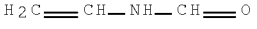
AB A method for producing water-in-water polyvinyllactam dispersions with a K value of ≥ 120 in aqueous reaction media in the presence of anionic polymer dispersants and saturated with organic or inorg. salts by radical polymn of N-vinyl-2-pyrrolidone is described. The homo- or copolymers of ethylenically unsatd. C1-15 carboxylic acids, or sulfonic acids or their corresponding salts are used as anionic polymer dispersants. The prepared aqueous dispersions of polyvinyllactams can be used in cosmetics, pharmaceuticals, adhesives, heat carrier liqs., as well as in formulations for coatings, thinners, adsorbents, binders, ceramics, plastics and metalworking. Thus, a polyvinyllactam dispersion was prepared by dissolving 63.4 g of sodium sulfate in 330 g of deionized water containing 148 g of 20 % aqueous solution of hydrolyzed acrylic acid-vinylformamide copolymer (9:1 ratio) treated with NaOH, adding 5 % solution of sulfuric acid till pH of 6.8, heating this mixture at 60° for 2 h and 40 min, adding 233.4 g of N-vinyl-2-pyrrolidone, followed in 5 min by solution of 0.35 g of 2,2'-azobis(2-methylpropanimidamide) dichloride (V 50) in 55.9 g of deionized water, keeping reaction vessel at 60° for 3 h, heating reaction mixture to 75° and adding solution of 0.7 g of V 50 in 13 g of deionized water, and keeping at 75° for two hours; the K value of the obtained polyvinyllactam dispersion was 141, the viscosity was 10.3 Pas with solids content of 27.65.

IT 134367-40-1D, hydrolyzed, sodium salt
RL: NUU (Other use, unclassified); USES (Uses)
(anionic dispersant; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

RN 134367-40-1 HCAPLUS
CN 2-Propenoic acid, polymer with N-ethenylformamide (CA INDEX NAME)

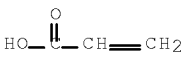
CM 1

CRN 13162-05-5
CMF C3 H5 N O



CM 2

CRN 79-10-7
CMF C3 H4 O2



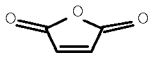
IT 28133-65-5, Maleic anhydride-methylvinylether copolymer, sodium salt
RL: NUU (Other use, unclassified); USES (Uses)
(anionic dispersion media; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
RN 28133-65-5 HCAPLUS
CN 2,5-Furandione, polymer with methoxyethene, sodium salt (CA INDEX NAME)

CM 1

CRN 9011-16-9
CMF (C4 H2 O3 . C3 H6 O)x
CCI PMS

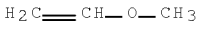
CM 2

CRN 108-31-6
CMF C4 H2 O3

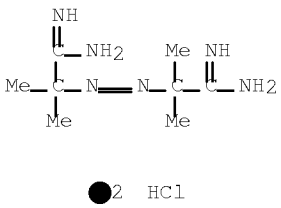


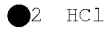
CM 3

CRN 107-25-5
CMF C3 H6 O



IT 2997-92-4, V 50
RL: CAT (Catalyst use); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
RN 2997-92-4 HCAPLUS
CN Propanimidamide, 2,2'-(1,2-diazenediyl)bis[2-methyl-, hydrochloride (1:2) (CA INDEX NAME)

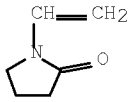




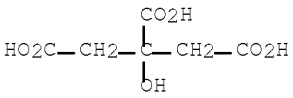
IT 9003-39-8, N-Vinyl-2-pyrrolidone homopolymer
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



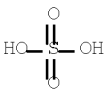
IT 6132-04-3, Trisodium citrate dihydrate
7757-82-6, Sodium sulfate, uses
RL: NUU (Other use, unclassified); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
RN 6132-04-3 HCAPLUS
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt, hydrate (1:3:2) (CA INDEX NAME)



3 Na

2 H_2O

RN 7757-82-6 HCAPLUS
CN Sulfuric acid sodium salt (1:2) (CA INDEX NAME)



2 Na

IC ICM C08F026-10
ICS C08F002-20
CC 37-3 (Plastics Manufacture and Processing)
ST polyvinyllactam aq dispersion prepn
salt anionic polymer
dispersant media
IT Lactams
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(N-vinyl, polymers; water-in-water polyvinyllactam dispersions prepared by radical polymn. in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Dispersing agents
(anionic; water-in-water polyvinyllactam dispersions prepared by radical polymn. in aqueous media containing anionic polymer dispersants and saturated with salts for use in)
IT Disperse systems
(aqueous; water-in-water polyvinyllactam dispersions prepared by radical polymn. in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Polymerization
(dispersion, radical; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Quenching materials
(metalworking; water-in-water polyvinyllactam dispersions prepared by radical polymn. in aqueous media containing anionic polymer dispersants and saturated with salts for use in)
IT Salts, uses
RL: NUU (Other use, unclassified); USES (Uses)
(organic and inorg.; water-in-water polyvinyllactam dispersions prepared by radical polymn. in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Polymerization catalysts
(radical, dispersion; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Carboxylic acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(salts, C1-C15; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Metalworking
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)
IT Adhesives
Adsorbents
Binders
Coating materials
Coolants
Cosmetics
Detergents
Drugs
Inks

Pigments, nonbiological
Thickening agents
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts for use in)

IT Plastics, miscellaneous
RL: MSC (Miscellaneous)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts for use in)

IT Ceramics
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts for use in in formulations for)

IT 134367-40-1D, hydrolyzed, sodium salt
RL: NUU (Other use, unclassified); USES (Uses)
(anionic dispersant; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

IT 28133-65-5, Maleic anhydride-methylvinylether copolymer, sodium salt
RL: NUU (Other use, unclassified); USES (Uses)
(anionic dispersion media; water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

IT 2997-92-4, V 50
RL: CAT (Catalyst use); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

IT 9003-39-8P, N-Vinyl-2-pyrrolidone homopolymer
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

IT 6132-04-3, Trisodium citrate dihydrate
7757-82-6, Sodium sulfate, uses
RL: NUU (Other use, unclassified); USES (Uses)
(water-in-water polyvinyllactam dispersions prepared by radical polymerization in aqueous media containing anionic polymer dispersants and saturated with salts)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L137 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:459559 HCAPLUS Full-text
DOCUMENT NUMBER: 143:154192
TITLE: A method for synthesizing anionic or/and nonionic water-soluble polymeric dispersions
INVENTOR(S): Wang, Pixin
PATENT ASSIGNEE(S): Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp. given
CODEN: CNXXEV

DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1519259	A	20040811	CN 2003-127128	2003 0903 <--

PRIORITY APPLN. INFO.: CN 2003-127128 2003 0903 <--

ED Entered STN: 31 May 2005

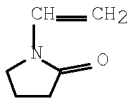
AB The title dispersion contains 30-100% (meth)acrylamide monomer and 0-70% a monomer represented by a general formula: R2CH:CHR1(AY1), wherein R1=H, CH3 or COOCH3, R2=H or COOY2, A=SO3 or CONHC(CH3)2CH2SO3, Y1, Y2=H or cation. Thus, 17.6 g acrylic acid (60%) was polymerized with 189.1 g acrylamide (50%) in the presence of 18.6 g a acrylamide-N,N-dimethylacrylamide copolymer (20%) and ammonium sulfate, sodium sulfite and ammonium peroxysulfate to give a title dispersion with particle size 5-10 μm.

IT 9003-39-8, Polyvinylpyrrolidone 26124-23-2, Acrylamide-N-vinylpyrrolidone copolymer
RL: NUU (Other use, unclassified); USES (Uses)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)

RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

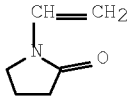
CRN 88-12-0
CMF C6 H9 N O



RN 26124-23-2 HCAPLUS
CN 2-Propenamide, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

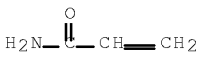
CM 1

CRN 88-12-0
CMF C6 H9 N O



CM 2

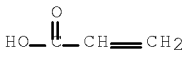
CRN 79-06-1
CMF C3 H5 N O



IT 9003-06-9P, Acrylic acid-acrylamide copolymer
38808-69-4P, Acrylamide-acrylic acid-itaconic acid copolymer 78474-98-3P, Acrylamide-acrylic acid-2-acrylamido-2-methylpropanesulfonic acid copolymer
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)
RN 9003-06-9 HCAPLUS
CN 2-Propenoic acid, polymer with 2-propenamide (CA INDEX NAME)

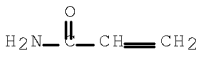
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

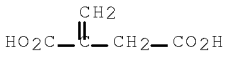
CRN 79-06-1
CMF C3 H5 N O



RN 38808-69-4 HCAPLUS
CN Butanedioic acid, 2-methylene-, polymer with 2-propenamide and 2-propenoic acid (CA INDEX NAME)

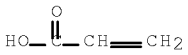
CM 1

CRN 97-65-4
CMF C5 H6 O4



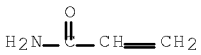
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

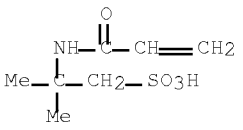
CRN 79-06-1
CMF C3 H5 N O



RN 78474-98-3 HCAPLUS
CN 2-Propenoic acid, polymer with
2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and
2-propenamide (CA INDEX NAME)

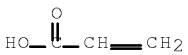
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



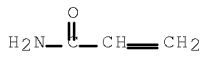
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

CRN 79-06-1
CMF C3 H5 N O



IC ICM C08F002-24
ICS C08F016-04
CC 37-3 (Plastics Manufacture and Processing)
ST acrylamide water soluble polymeric dispersion prepn
IT Polymerization
(dispersion; preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT Dispersing agents
Dispersion (of materials)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT Polyoxyalkylenes, uses
RL: NUU (Other use, unclassified); USES (Uses)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT Polymers, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(water-soluble; preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT 30973-80-9, Acrylamide-N,N-dimethylacrylamide copolymer
RL: NUU (Other use, unclassified); USES (Uses)
(dispersing agent; preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT 7727-54-0, Ammonium peroxysulfate 7757-83-7, Sodium sulfite
RL: CAT (Catalyst use); USES (Uses)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT 57-55-6, Propylene glycol, uses 107-21-1, Ethylene glycol, uses 115-77-5, Pentaerythritol, uses 9002-89-5, Poly(vinyl alcohol) 9003-39-8, Polyvinylpyrrolidone 25322-68-3, Polyethylene glycol 26124-23-2, Acrylamide-N-vinylpyrrolidone copolymer 53694-15-8, Polyethylene glycol sorbitol ether
RL: NUU (Other use, unclassified); USES (Uses)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)
IT 9003-05-8P, Polyacrylamide 9003-06-9P, Acrylic acid-acrylamide copolymer 38808-69-4P, Acrylamide-acrylic acid-itaconic acid copolymer 78474-98-3P, Acrylamide-acrylic acid-2-acrylamido-2-methylpropanesulfonic acid copolymer
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of anionic or/and nonionic water-soluble polymeric dispersions)

L137 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:257907 HCAPLUS Full-text
DOCUMENT NUMBER: 138:256010
TITLE: Dispersions of inorganic particle-containing water-soluble polymer particles with good dispersion stability and their manufacture
INVENTOR(S): Kubota, Isamu; Wakatsuki, Shogo
PATENT ASSIGNEE(S): Hymo Corporation, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003096112	A	20030403	JP 2001-292765	2001 0926
			<--	
PRIORITY APPLN. INFO.:			JP 2001-292765	2001 0926
			<--	

ED Entered STN: 03 Apr 2003

AB Title dispersions with particle size ≤100 μm, useful as additives for waste water treatment, papermaking, etc., are manufactured by dispersion polymerization of HCR2:CR1AY1 (R1 = H, Me, CO2Me; A = SO3, C6H4SO3, CONHCMe2CH2SO3, C6H4CO2, CO2; R2 = H, CO2Y2; Y1, Y2 = H, cation) 0-100, (meth)acrylamide 0-100, and polymerizable nonionic monomers 0-30 mol% in aqueous salts in the presence of inorg. particles and polymer dispersants soluble in the solns. Thus, partially neutralized acrylic acid was polymerized with acrylamide in aqueous (NH4)2SO4 in the presence of bentonite and partially neutralized acrylamido-2-methylpropanesulfonic acid polymer to give a dispersion with particle size 2-20 μm, viscosity 610 mPa-s, and good stability when stored for 3 mo.

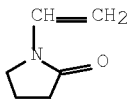
IT 9003-39-8, Poly(N-vinylpyrrolidone)
RL: NUU (Other use, unclassified); USES (Uses)
(dispersant; manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

RN 9003-39-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



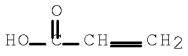
IT 9003-06-9P, Acrylamide-acrylic acid copolymer
62649-23-4P, Acrylamide-acrylic acid-sodium acrylate copolymer 494852-63-0P, Acrylamide-acrylic acid-itaconic acid-sodium acrylate-sodium itaconate copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

RN 9003-06-9 HCAPLUS

CN 2-Propenoic acid, polymer with 2-propenamide (CA INDEX NAME)

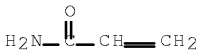
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

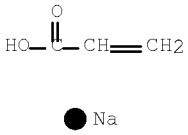
CRN 79-06-1
CMF C3 H5 N O



RN 62649-23-4 HCAPLUS
CN 2-Propenoic acid, polymer with 2-propenamide and sodium 2-propenoate (1:1) (CA INDEX NAME)

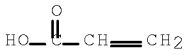
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



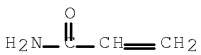
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

CRN 79-06-1
CMF C3 H5 N O

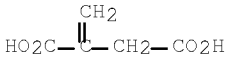


RN 494852-63-0 HCAPLUS

CN Butanedioic acid, methylene-, polymer with 2-propenamide, 2-propenoic acid, sodium methylenebutanedioate and sodium 2-propenoate (9CI) (CA INDEX NAME)

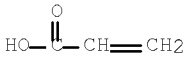
CM 1

CRN 50976-31-3
CMF C5 H6 O4 . x Na



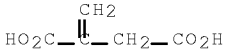
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



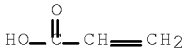
CM 3

CRN 97-65-4
CMF C5 H6 O4



CM 4

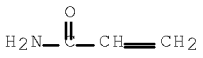
CRN 79-10-7
CMF C3 H4 O2



CM 5

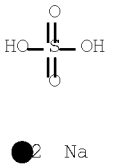
CRN 79-06-1

CMF C3 H5 N O

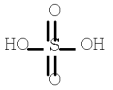


IT 7757-82-6, Sodium sulfate, uses 7783-20-2, Ammonium sulfate, uses
RL: NUU (Other use, unclassified); USES (Uses)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

RN 7757-82-6 HCAPLUS
CN Sulfuric acid sodium salt (1:2) (CA INDEX NAME)



RN 7783-20-2 HCAPLUS
CN Sulfuric acid ammonium salt (1:2) (CA INDEX NAME)



IC ICM C08F002-44
ICS C08F002-16; C08F292-00
CC 37-3 (Plastics Manufacture and Processing)
ST dispersion inorg particle anionic polymer; salt water dispersion polymn inorg particle; acrylate acrylamide copolymer manuf bentonite ammonium sulfate; dispersant acrylamidomethylpropanesulfonic acid polymer dispersion polymn
IT Polymerization
(dispersion; manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)
IT Polymerization
(graft; manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)
IT Disperse systems
Dispersing agents

(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT Salts, uses
RL: NUU (Other use, unclassified); USES (Uses)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT Bentonite, preparation
Kaolin, preparation
RL: IMF (Industrial manufacture); PREP (Preparation)
(polymers, graft; manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT 9003-39-8, Poly(N-vinylpyrrolidone) 26062-79-3, Poly(dimethyldiallylammonium chloride) 38599-26-7D, neutralized 54076-97-0, Poly(acryloyloxyethyltrimethylammonium chloride)
RL: NUU (Other use, unclassified); USES (Uses)
(dispersant; manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT 9003-05-8P, Polyacrylamide 9003-06-9P, Acrylamide-acrylic acid copolymer 62649-23-4P , Acrylamide-acrylic acid-sodium acrylate copolymer 494852-63-0P, Acrylamide-acrylic acid-itaconic acid-sodium acrylate-sodium itaconate copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT 7757-82-6, Sodium sulfate, uses 7783-20-2, Ammonium sulfate, uses
RL: NUU (Other use, unclassified); USES (Uses)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

IT 7631-86-9, White carbon, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(manufacture of stable dispersions by dispersion polymerization of anionic acrylic monomers in aqueous salts in presence of inorg. particles and polymer dispersants)

L137 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:792296 HCAPLUS Full-text
DOCUMENT NUMBER: 137:295672
TITLE: Stable anionic water-soluble polymer dispersions and their manufacture by dispersion polymerization
INVENTOR(S): Wang, Pi-Xin
PATENT ASSIGNEE(S): Hymo Corporation, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

JP 2002302521 A 20021018 JP 2001-158249
2001
0528
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PRIORITY APPLN. INFO.: JP 2001-21304 A
2001
0130
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ED Entered STN: 18 Oct 2002

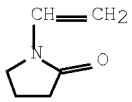
AB The dispersions with polymer particle size ≤100 μm, useful for flocculants, are manufactured by dispersion-polymerizing monomer mixts., which comprise (A) CH2:CR1AX (R1 = Me, H; A = SO3, C6H4SO3, CONHCMe2CH2SO3, CONHC2H4SO3, CO2C2H4SO3; X = cation) 1-30, (B) CHR3:CR2AY (R2 = H, Me, carboxyl; R3 = H, carboxyl; A = CO2, C6H4CO2; Y = cation) 5-50, (C) (meth)acrylamide 20-94, and (D) other nonionic comonomers 0-20 mol%, in aqueous salt solns. in the presence of polymer dispersants soluble to the salt solns. Thus, partially neutralizing a monomer mixture comprising acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, and acrylic acid with NaOH and dispersion-polymg . the monomers in the presence of 2-acrylamido-2-methylpropanesulfonic acid-methacrylic acid copolymer gave a dispersion showing particle size 5-50 μm, viscosity 830 mPa-s, and Mw 1.05 + 107.

IT 9003-39-8, Polyvinyl pyrrolidone 76404-20-1, 2-Acrylamido-2-methylpropanesulfonic acid-methacrylic acid copolymer
RL: NUU (Other use, unclassified); USES (Uses)
(dispersants; manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)

RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

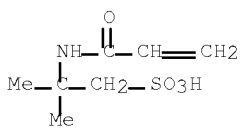
CRN 88-12-0
CMF C6 H9 N O



RN 76404-20-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid (CA INDEX NAME)

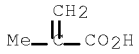
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 2

CRN 79-41-4
CMF C4 H6 O2

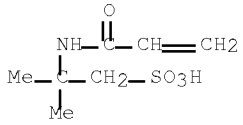


IT 468721-70-2P, Acrylamide-2-acrylamido-2-methylpropanesulfonic acid-acrylic acid-sodium 2-acrylamido-2-methylpropanesulfonate-sodium acrylate copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)

RN 468721-70-2 HCAPLUS
CN 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt, 2-propenamide and sodium 2-propenoate (9CI) (CA INDEX NAME)

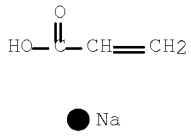
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



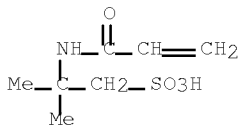
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



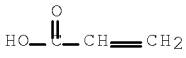
CM 3

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



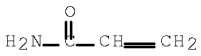
CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

CRN 79-06-1
CMF C3 H5 N O



IC ICM C08F220-56
ICS B01D021-01; B01J013-00; C08F002-10
CC 37-6 (Plastics Manufacture and Processing)
ST anionic aq dispersion manuf acrylic sulfonate; acrylamide acrylic polymer dispersion polymn flocculant
IT Dispersing agents
(anionic, polymeric; manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)
IT Polymerization
(dispersion; manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)
IT Disperse systems
(manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)
IT 9003-39-8, Polyvinyl pyrrolidone 76404-20-1, 2-Acrylamido-2-methylpropanesulfonic acid-methacrylic acid copolymer
RL: NUU (Other use, unclassified); USES (Uses)
(dispersants; manufacture of stable anionic water-soluble polymer dispersions by dispersion polymerization)
IT 468721-70-2P, Acrylamide-2-acrylamido-2-

methylpropanesulfonic acid-acrylic acid-sodium
2-acrylamido-2-methylpropanesulfonate-sodium acrylate
copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered
material use); PREP (Preparation); USES (Uses)
(manufacture of stable anionic water-soluble
polymer dispersions by dispersion
polymerization)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE
THIS RECORD (2 CITINGS)

L137 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:402901 HCAPLUS Full-text
DOCUMENT NUMBER: 127:18413
ORIGINAL REFERENCE NO.: 127:3717a,3720a
TITLE: Preparing polymer powders which are
redispersible in aqueous media
INVENTOR(S): Pakusch, Joachim; Dieing, Reinhold; Tropsch,
Juergen
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 770640	A2	19970502	EP 1996-116679	1996 1017 <--
EP 770640	A3	19971029		
EP 770640	B1	20030423		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, NL, PT, SE				
DE 19540305	A1	19970430	DE 1995-19540305	1995 1028 <--
AT 238376	T	20030515	AT 1996-116679	1996 1017 <--
CA 2188685	A1	19970429	CA 1996-2188685	1996 1023 <--
US 5874524	A	19990223	US 1996-731989	1996 1023 <--
AU 9670406	A	19970501	AU 1996-70406	1996 1025 <--
SG 81903	A1	20010724	SG 1996-10967	1996 1025 <--
JP 09169812	A	19970630	JP 1996-285586	1996 1028 <--
CN 1153181	A	19970702	CN 1996-122881	

1996
1028
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PRIORITY APPLN. INFO.: DE 1995-19540305 A
1995
1028
<--

ED Entered STN: 30 Jun 1997

AB Polymer powders which disperse in aqueous media so that the dispersed particles have pos. or neg. surface elec. charges are manufactured by spray-drying mixts. dispersions of the polymers such as those of (meth)acrylate esters, styrene, and vinyl compds. and polyelectrolytes which act as drying aids and are composed of polyions that have elec. charges different than that on the surfaces of the dispersed polymer particles. These powders are useful as hydraulic binder additives, paints, varnishes, adhesives, paper coatings, and synthetic resin plaster. A typical spray-dried composition contained anionically stabilized dispersion of 11.2:219.2:5.6:252 acrylamide-Bu acrylate-methacrylamide-styrene copolymer and 15% 120:280 3-methyl-1-vinylimidazolium Me sulfate-vinylpyrrolidone copolymer.

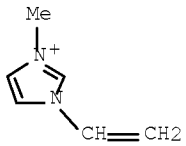
IT 95144-24-4P, 3-Methyl-1-vinylimidazolium chloride-N-vinylpyrrolidone copolymer 131954-48-8P, Trimethylammoniopropylmethacrylamide chloride-N-vinylpyrrolidone copolymer 150599-70-5P, 3-Methyl-1-vinylimidazolium methyl sulfate-N-vinylpyrrolidone copolymer 174761-16-1P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media)

RN 95144-24-4 HCAPLUS

CN 1H-Imidazolium, 1-ethenyl-3-methyl-, chloride (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

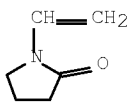
CM 1

CRN 13474-25-4
CMF C6 H9 N2 . Cl



CM 2

CRN 88-12-0
CMF C6 H9 N O

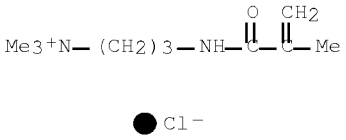


RN 131954-48-8 HCAPLUS

CN 1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propen-1-yl)amino]-, chloride (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

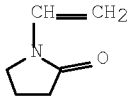
CM 1

CRN 51410-72-1
CMF C10 H21 N2 O . Cl



CM 2

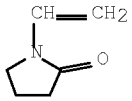
CRN 88-12-0
CMF C6 H9 N O



RN 150599-70-5 HCAPLUS
CN 1H-Imidazolium, 1-ethenyl-3-methyl-, methyl sulfate (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O

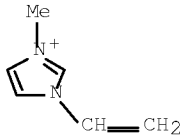


CM 2

CRN 26591-72-0
CMF C6 H9 N2 . C H3 O4 S

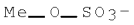
CM 3

CRN 45534-45-0
CMF C6 H9 N2



CM 4

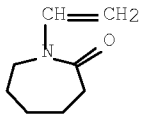
CRN 21228-90-0
CMF C H3 O4 S



RN 174761-16-1 HCAPLUS
CN 1H-Imidazolium, 1-ethenyl-3-methyl-, methyl sulfate (1:1), polymer with 1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

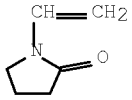
CM 1

CRN 2235-00-9
CMF C8 H13 N O



CM 2

CRN 88-12-0
CMF C6 H9 N O

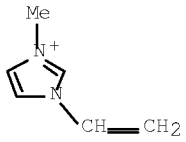


CM 3

CRN 26591-72-0
CMF C6 H9 N2 . C H3 O4 S

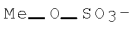
CM 4

CRN 45534-45-0
CMF C6 H9 N2



CM 5

CRN 21228-90-0
CMF C H3 O4 S

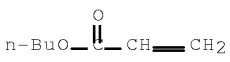


IT 25036-16-2P, Butyl acrylate-methacrylic acid-styrene copolymer 25586-24-7P 27358-58-3P 34407-02-8P, Butyl acrylate-hydroxyethyl acrylate-methacrylic acid-styrene copolymer
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PREP (Preparation); USES (Uses)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media)

RN 25036-16-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and ethenylbenzene (CA INDEX NAME)

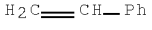
CM 1

CRN 141-32-2
CMF C7 H12 O2



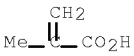
CM 2

CRN 100-42-5
CMF C8 H8



CM 3

CRN 79-41-4
CMF C4 H6 O2



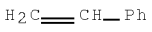
RN 25586-24-7 HCAPLUS
CN 2-Propenoic acid, polymer with butyl 2-propenoate, ethenylbenzene and 2-propenamide (CA INDEX NAME)

CM 1

CRN 141-32-2
CMF C7 H12 O2

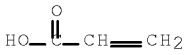
CM 2

CRN 100-42-5
CMF C8 H8



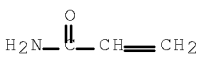
CM 3

CRN 79-10-7
CMF C3 H4 O2



CM 4

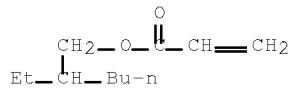
CRN 79-06-1
CMF C3 H5 N O



RN 27358-58-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene, 2-ethylhexyl 2-propenoate and 2-propenamide (CA INDEX NAME)

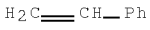
CM 1

CRN 103-11-7
CMF C11 H20 O2



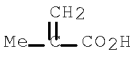
CM 2

CRN 100-42-5
CMF C8 H8



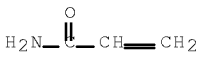
CM 3

CRN 79-41-4
CMF C4 H6 O2



CM 4

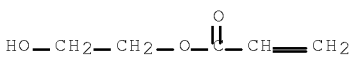
CRN 79-06-1
CMF C3 H5 N O



RN 34407-02-8 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene and 2-hydroxyethyl 2-propenoate (CA INDEX NAME)

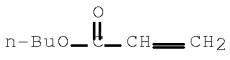
CM 1

CRN 818-61-1
CMF C5 H8 O3



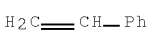
CM 2

CRN 141-32-2
CMF C7 H12 O2



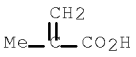
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

CRN 79-41-4
CMF C4 H6 O2



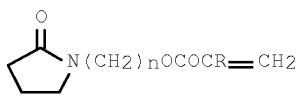
IC ICM C08J003-16
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38, 42, 43, 58
IT Polyelectrolytes
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media)
IT Adhesives
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media for adhesives)
IT Cement (construction material)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media for hydraulic binder additives)
IT Paints
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media for paints)
IT Coating materials
Paper
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media for paper coatings)
IT Plaster
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media for synthetic resin plaster)
IT Varnishes
(preparing polymer powders containing polyelectrolytes which

are redispersible in aqueous media for varnishes)
IT 95144-24-4P, 3-Methyl-1-vinylimidazolium chloride-N-vinylpyrrolidone copolymer 131954-48-8P, Trimethylammoniopropylmethacrylamide chloride-N-vinylpyrrolidone copolymer 150599-70-5P, 3-Methyl-1-vinylimidazolium methyl sulfate-N-vinylpyrrolidone copolymer 174761-16-1P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media)
IT 25036-16-2P, Butyl acrylate-methacrylic acid-styrene copolymer 25085-44-3P, Butyl acrylate-methacrylamide-styrene copolymer 25586-24-7P 27358-58-3P 34407-02-8P, Butyl acrylate-hydroxyethyl acrylate-methacrylic acid-styrene copolymer 133651-90-8P, Acrylamide-butyl acrylate-methacrylamide-styrene copolymer
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PREP (Preparation); USES (Uses)
(preparing polymer powders containing polyelectrolytes which are redispersible in aqueous media)
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L137 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:392113 HCAPLUS Full-text
DOCUMENT NUMBER: 125:116178
ORIGINAL REFERENCE NO.: 125:21816h,21817a
TITLE: Anionic electrodepositable coating composition for pigment-dispersed color filter
INVENTOR(S): Niu, Chao-Wen; Shieh, Jim-Chyuan; Hsieh, Pao J.; Lin, Wen R.; Lin, Hsien K.
PATENT ASSIGNEE(S): Industrial Technology Research Institute, Taiwan; Nan Ya Plastics Corp.
SOURCE: U.S., 14 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5523340	A	19960604	US 1995-376999	1995 0123
			<--	
PRIORITY APPLN. INFO.:			US 1995-376999	1995 0123
			<--	

ED Entered STN: 09 Jul 1996
GI



II

AB An anionic electrodepositable coating composition for making pigment dispersed color filters comprising: (a) a pigment; (b) a first addition copolymer containing

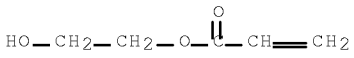
pyrrolidone and hydroxy groups; (c) a second addition copolymer containing carboxyl and hydroxy groups; and (d) a low mol. weight amine. The pyrrolidone-containing monomer can be N-vinyl-2-pyrrolidone (I) or a pyrrolidone-containing acrylate-based monomer II (R = H, Me, or Et, n = 1-3). The first addition copolymer has a weight average mol. weight between 1,000 and 20,000 and is prepared from a monomer composition comprising about 0.5-90 mol percent of a pyrrolidone-containing unsatd. monomer and about 1-50 mol percent of a hydroxy-containing unsatd. monomer. The second addition copolymer has a weight average mol. weight between 5,000 and 60,000 and is prepared from a monomer composition comprising about 5-30 mol percent of a carboxyl-containing unsatd. monomer and 1-50 mol percent of a hydroxy-containing unsatd. monomer. The pigments in the coating composition were measured to have a weight average secondary particle size of less than 0.25 μm, and a polydispersity of less than 1.05. A typical 10% solids aqueous electrodepositable composition was prepd . from a composition containing 14.4:25.6:46.4:20 acrylic acid-Bu acrylate (III)-2-hydroxyethyl acrylate (IV)-Me methacrylate (V) copolymer 27, 25.6:23.2:10:55.5 III-IV-V-I copolymer 3, Cymel 303 5, MEK 10, Cromophtal Red A3B 5, and Et3N 0.28 g.

IT 26062-01-1P, Acrylic acid-butyl acrylate-2-hydroxyethyl acrylate-methyl methacrylate copolymer 69896-39-5P 179526-82-0P 179526-86-4P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(crosslinkable binder precursor; anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)

RN 26062-01-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 2-hydroxyethyl 2-propenoate and 2-propenoic acid (CA INDEX NAME)

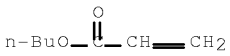
CM 1

CRN 818-61-1
CMF C5 H8 O3



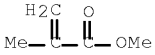
CM 2

CRN 141-32-2
CMF C7 H12 O2



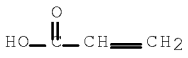
CM 3

CRN 80-62-6
CMF C5 H8 O2



CM 4

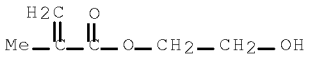
CRN 79-10-7
CMF C3 H4 O2



RN 69896-39-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 868-77-9
CMF C6 H10 O3

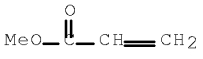


CM 2

CRN 141-32-2
CMF C7 H12 O2

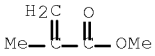
CM 3

CRN 96-33-3
CMF C4 H6 O2



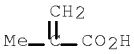
CM 4

CRN 80-62-6
CMF C5 H8 O2



CM 5

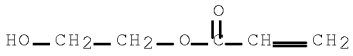
CRN 79-41-4
CMF C4 H6 O2



RN 179526-82-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone and 2-hydroxyethyl 2-propenoate (9CI) (CA INDEX NAME)

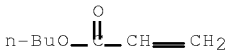
CM 1

CRN 818-61-1
CMF C5 H8 O3



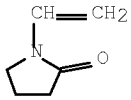
CM 2

CRN 141-32-2
CMF C7 H12 O2



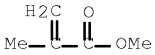
CM 3

CRN 88-12-0
CMF C6 H9 N O



CM 4

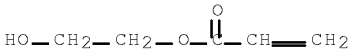
CRN 80-62-6
CMF C5 H8 O2



RN 179526-86-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, 2-hydroxyethyl 2-propenoate and 2-propenoic acid (9CI) (CA INDEX NAME)

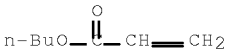
CM 1

CRN 818-61-1
CMF C5 H8 O3



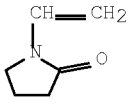
CM 2

CRN 141-32-2
CMF C7 H12 O2



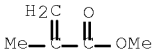
CM 3

CRN 88-12-0
CMF C6 H9 N O



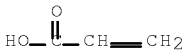
CM 4

CRN 80-62-6
CMF C5 H8 O2



CM 5

CRN 79-10-7
CMF C3 H4 O2

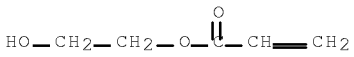


IT 179526-84-2P 179526-87-5P
179526-88-6P 179526-89-7P
RL: DEV (Device component use); IMF (Industrial manufacture); PRP (Properties); PREP (Preparation); USES (Uses)
(cured film; anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)

RN 179526-84-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, formaldehyde, 2-hydroxyethyl 2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

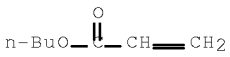
CM 1

CRN 818-61-1
CMF C5 H8 O3



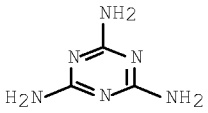
CM 2

CRN 141-32-2
CMF C7 H12 O2



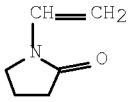
CM 3

CRN 108-78-1
CMF C3 H6 N6



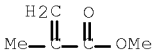
CM 4

CRN 88-12-0
CMF C6 H9 N O



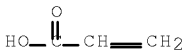
CM 5

CRN 80-62-6
CMF C5 H8 O2



CM 6

CRN 79-10-7
CMF C3 H4 O2



CM 7

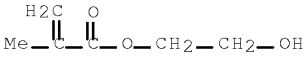
CRN 50-00-0
CMF C H2 O

RN 179526-87-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, formaldehyde, 2-hydroxyethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-propenoate, methyl

2-methyl-2-propenoate, methyl 2-propenoate and
1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

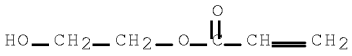
CM 1

CRN 868-77-9
CMF C6 H10 O3



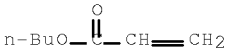
CM 2

CRN 818-61-1
CMF C5 H8 O3



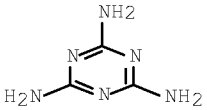
CM 3

CRN 141-32-2
CMF C7 H12 O2



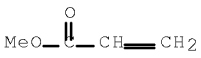
CM 4

CRN 108-78-1
CMF C3 H6 N6



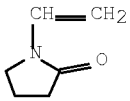
CM 5

CRN 96-33-3
CMF C4 H6 O2



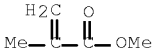
CM 6

CRN 88-12-0
CMF C6 H9 N O



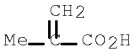
CM 7

CRN 80-62-6
CMF C5 H8 O2



CM 8

CRN 79-41-4
CMF C4 H6 O2



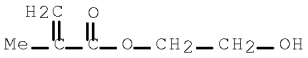
CM 9

CRN 50-00-0
CMF C H2 O

RN 179526-88-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, formaldehyde, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, methyl 2-propenoate and 1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

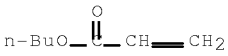
CM 1

CRN 868-77-9
CMF C6 H10 O3



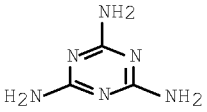
CM 2

CRN 141-32-2
CMF C7 H12 O2



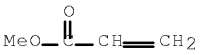
CM 3

CRN 108-78-1
CMF C3 H6 N6



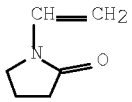
CM 4

CRN 96-33-3
CMF C4 H6 O2



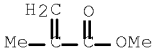
CM 5

CRN 88-12-0
CMF C6 H9 N O



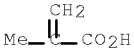
CM 6

CRN 80-62-6
CMF C5 H8 O2



CM 7

CRN 79-41-4
CMF C4 H6 O2



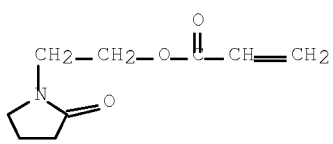
CM 8

CRN 50-00-0
CMF C H2 O

RN 179526-89-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, formaldehyde, 2-hydroxyethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate, methyl 2-propenoate, 2-(2-oxo-1-pyrrolidinyl)ethyl 2-propenoate and 1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

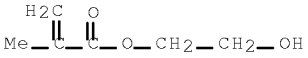
CM 1

CRN 3541-31-9
CMF C9 H13 N O3



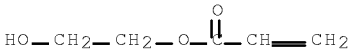
CM 2

CRN 868-77-9
CMF C6 H10 O3



CM 3

CRN 818-61-1
CMF C5 H8 O3



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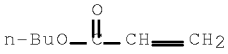
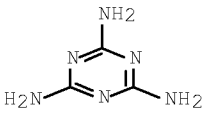
CRN 141-32-2
CMF C7 H12 O2



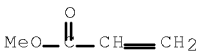
CM 5

CRN 108-78-1
CMF C3 H6 N6



CM 6

CRN 96-33-3
CMF C4 H6 O2

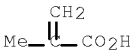


CM 7

CRN 80-62-6
CMF C5 H8 O2

CM 8

CRN 79-41-4
CMF C4 H6 O2



CM 9

CRN 50-00-0
CMF C H2 O

IC ICM C08K005-34
ICS C08K003-00; C08L039-06
INCL 524088000
CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 73
IT Optical filters
Optical materials
Pigments
(anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)
IT 121-44-8, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(binder solubilizer; anionic electrodepositable compns. containing pyrrolidone polymers for manuf. of pigment-dispersed color filters)
IT 26062-01-1P, Acrylic acid-butyl acrylate-2-hydroxyethyl acrylate-methyl methacrylate copolymer 69896-39-5P 179526-82-0P 179526-83-1P 179526-85-3P 179526-86-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(crosslinkable binder precursor; anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)

IT 179526-84-2P 179526-87-5P
179526-88-6P 179526-89-7P
RL: DEV (Device component use); IMF (Industrial manufacture); PRP (Properties); PREP (Preparation); USES (Uses)
(cured film; anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)

IT 147-14-8, Heliogen Blue K 7090 4051-63-2, Cromophtal Red A 3B
179671-47-7, Heliogen Green K 8683
RL: DEV (Device component use); USES (Uses)
(pigment; anionic electrodepositable compns. containing pyrrolidone polymers for manufacture of pigment-dispersed color filters)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L137 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1990:159842 HCAPLUS Full-text
DOCUMENT NUMBER: 112:159842
ORIGINAL REFERENCE NO.: 112:27023a,27026a
TITLE: Preparation of stable aqueous suspensions of water-soluble polymers in presence of ammonium salts
INVENTOR(S): Burdick, Charles L.
PATENT ASSIGNEE(S): Aqualon Co., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4883536	A	19891128	US 1988-229379	19880805 <--
CA 1340137	C	19981117	CA 1989-607286	19890802 <--
EP 357962	A2	19900314	EP 1989-114358	19890803 <--
EP 357962	A3	19910123		
EP 357962	B1	19941012		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
ES 2063792	T3	19950116	ES 1989-114358	19890803 <--
AU 8939329	A	19900208	AU 1989-39329	19890804 <--
AU 614169	B2	19910822		
JP 02099574	A	19900411	JP 1989-203712	

1989
0805
<--
JP 3110428 B2 20001120
US 5028263 A 19910702 US 1989-396265
1989
0821
<--
PRIORITY APPLN. INFO.: US 1988-229379 A
1988
0805
<--

ED Entered STN: 28 Apr 1990

AB The title suspensions, permitting ease of handling and dosage control, contain ≥20% anionic or nonionic water-soluble polymer and are prepared by dispersing the polymer in an aqueous solution of an ammonium salt having a multivalent anion, the ammonium salt /water ratio being ≥0.15. A solution of 22.5 parts (NH4)2HPO4 in 52.5 parts H2O was mixed with 25 parts Natrosol 250GR (hydroxyethyl cellulose) to give a suspension which was stable and pourable for >3 days.

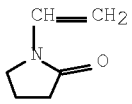
IT 9003-39-8, Poly(vinylpyrrolidone)
RL: USES (Uses)
(aqueous suspensions of, preparation of stable, ammonium salts for)

RN 9003-39-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



RL: USES (Uses)
(suspensions of, in aq. ammonium salt solns., stable

IC ICM C08L001-08
ICS C08K003-00

INCL 106194000

CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 43

ST suspension aq polymer ammonium salt;
hydroxyethyl cellulose aq suspension stability;
dispersion aq polymer ammonium salt

IT Dispersing agents
(ammonium salts, for polymers in aqueous suspensions)

IT Suspensions
(of water-soluble polymers in aqueous ammonium salt solns., stable)

IT Polymers, uses and miscellaneous
RL: USES (Uses)
(suspensions of water-soluble, in aqueous ammonium salt solns., stable)

IT Polyamides, uses and miscellaneous
RL: USES (Uses)
(suspensions of, in aqueous ammonium salt solns., stable)

IT Polyphosphoric acids

RL: PREP (Preparation)
(ammonium salts, dispersions of water-soluble polymers in aqueous, preparation of stable)

IT 9000-30-0, Guar 9002-89-5, Poly(vinyl alcohol) 9003-05-8, Polyacrylamide 9003-39-8, Poly(vinylpyrrolidone) 9004-30-2, Carboxymethyl hydroxyethyl cellulose 9004-32-4, Carboxymethyl cellulose 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Methylhydroxypropyl cellulose 9032-42-2, Methylhydroxyethyl cellulose 11138-66-2, Xanthan gum 25322-68-3 39421-75-5, Hydroxypropyl guar 51331-09-0, Hydroxyethyl hydroxypropyl cellulose 120146-45-4
RL: USES (Uses)
(aqueous suspensions of, preparation of stable, ammonium salts for)

IT 7783-20-2, Diammonium sulfate, uses and miscellaneous 7783-28-0, Diammonium phosphate
RL: USES (Uses)
(dispersions of water-soluble polymers in aqueous, preparation of stable)

IT 7631-86-9, Silica, uses and miscellaneous
RL: USES (Uses)
(stabilizers, for aqueous polymer suspensions)

IT 79-06-1D, 2-Propenamide, polymers
RL: USES (Uses)
(suspensions of, in aqueous ammonium salt solns., preparation of stable)

IT 9003-39-8, Poly(vinylpyrrolidone) 9005-25-8, Starch, uses and miscellaneous
RL: USES (Uses)
(suspensions of, in aqueous ammonium salt solns., stable)

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (12 CITINGS)
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L137 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1983:523532 HCAPLUS Full-text
DOCUMENT NUMBER: 99:123532
ORIGINAL REFERENCE NO.: 99:19037a,19040a
TITLE: Spherical anion exchanger beads
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58037017	A	19830304	JP 1981-134033 <--	19810828
JP 02041528	B	19900918		

PRIORITY APPLN. INFO.: JP 1981-134033 <-- 19810828

ED Entered STN: 12 May 1984
AB Spherical anion exchanger beads are prepared by polymerizing aqueous solns. of dialkyldiallylammonium chloride and compds. having ≥2 diallylammonium groups or ≥2

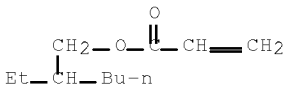
vinylbenzylammonium groups dispersed in hydrophobic solvents in the presence of polymers containing 0.1-10 % hydrophilic polymer units and having solubility in the hydrophobic solvents. Thus, 180 mL PhMe, 54 g diallyldimethylammonium chloride, 24 g N,N'-dimethyl-N,N,N',N'-tetraallyl-2-butene-1,4-diammonium dichloride, 0.39 g 2,2'-azobis(2-amidinopropane)-HCl, 42 g H2O, and 0.56 g of a 43% solids emulsion of copolymer [25085-19-2] (derived from acrylic acid 3, 2-ethylhexyl acrylate 60, and styrene 40 parts) were stirred 2 h each at 50, 60, 70, and 80° to give spherical copolymer [87079-51-4] beads having average diameter 0.35 mm and anion-exchange capacity 5.1 mequiv/g.

IT 25085-19-2 71770-97-3 87091-50-7
RL: USES (Uses)
(dispersing agents, in manufacture of spherical anion exchanger beads by suspension polymerization in hydrocarbon solvents)

RN 25085-19-2 HCAPLUS
CN 2-Propenoic acid, polymer with ethenylbenzene and 2-ethylhexyl 2-propenoate (CA INDEX NAME)

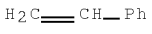
CM 1

CRN 103-11-7
CMF C11 H20 O2



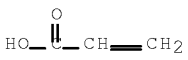
CM 2

CRN 100-42-5
CMF C8 H8



CM 3

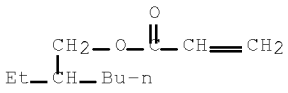
CRN 79-10-7
CMF C3 H4 O2



RN 71770-97-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2-ethylhexyl 2-propenoate and 2-propenoic acid (9CI) (CA INDEX NAME)

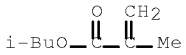
CM 1

CRN 103-11-7
CMF C11 H20 O2



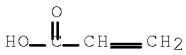
CM 2

CRN 97-86-9
CMF C8 H14 O2



CM 3

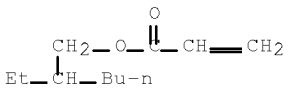
CRN 79-10-7
CMF C3 H4 O2



RN 87091-50-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 2-ethylhexyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 103-11-7
CMF C11 H20 O2



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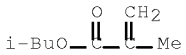
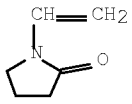
CRN 97-86-9
CMF C8 H14 O2



CM 3

CRN 88-12-0
CMF C6 H9 N O



IC C08F226-04
ICA B01J041-12
CC 37-3 (Plastics Manufacture and Processing)
IT Dispersing agents
(acrylic polymers, in manufacture of spherical anion exchanger beads)
IT Anion exchangers
(manufacture of spherical beads of, dispersing agents in)
IT 87079-48-9 87079-50-3 87079-51-4 87079-70-7 87079-72-9
RL: USES (Uses)
(anion exchangers, manufacture of spherical, dispersing agents for)
IT 25085-19-2 27401-10-1 71770-97-3
87079-52-5 87091-50-7
RL: USES (Uses)
(dispersing agents, in manufacture of spherical anion exchanger beads by suspension polymerization in hydrocarbon solvents)

=> => d his l138

(FILE 'HCAPLUS' ENTERED AT 11:16:13 ON 28 AUG 2009)
SAV TEMP L135 PEZ654HCP/A
L138 22 S L135 NOT L137
SAV TEMP L137 PEZ654HCPA/A

=> d l138 1-22 ibib ed abs hitstr hitind

L138 ANSWER 1 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1075845 HCAPLUS Full-text
DOCUMENT NUMBER: 143:347632
TITLE: Anionic water-in-water polymer dispersion, method for the production thereof and its use
INVENTOR(S): Bellmann, Susanne; Steiner, Norbert; Busch, Michael; Steuck, Dev; Schulte, Johann; Woebel, Wolfgang
PATENT ASSIGNEE(S): Stockhausen G.m.b.H., Germany
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092954	A1	20051006	WO 2005-EP2358	20050307

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FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH,
CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT,
LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 102004013750 A1 20051103 DE 2004-102004013750
2004
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EP 1727853 A1 20061206 EP 2005-715776
2005
0307

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HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR

CN 1954021 A 20070425 CN 2005-80015596
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0307

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BR 2005008836 A 20070828 BR 2005-8836
2005
0307

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JP 2007529581 T 20071025 JP 2007-503235
2005
0307

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US 20070203290 A1 20070830 US 2007-593293
2007
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PRIORITY APPLN. INFO.: DE 2004-102004013750A
2004
0318

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WO 2005-EP2358 W
2005
0307

ED Entered STN: 07 Oct 2005

AB The invention relates to a method for producing anionic water-in-water polymer dispersions containing at least one finely dispersed, water-soluble and/or water-swellable polymer A (such as acrylamide-ammonium acrylate copolymer) and a continuous aqueous phase. This phase has a partial quantity of at least one polymeric dispersing agent B [such as poly(potassium acrylate)] in which monomers dispersed in this aqueous phase are subjected to a radical polymerization, and after the polymerization is completed, the reaction mixture is subsequently diluted with the remaining amount of dispersing agent B. The invention also relates to the polymer dispersions obtained according to the method and to their use, particularly in the paper industry.

IT 25085-02-3P, Acrylamide-sodium acrylate copolymer 26100-47-0P, Acrylamide-ammonium acrylate copolymer 31212-13-2P, Acrylamide-potassium acrylate copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(anionic water-in-water polymer dispersions using polymeric dispersants)

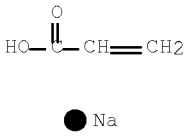
RN 25085-02-3 HCAPLUS

CN 2-Propenoic acid, sodium salt (1:1), polymer with 2-propenamide

(CA INDEX NAME)

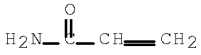
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

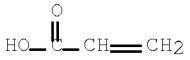
CRN 79-06-1
CMF C3 H5 N O



RN 26100-47-0 HCAPLUS
CN 2-Propenoic acid, ammonium salt (1:1), polymer with 2-propenamide
(CA INDEX NAME)

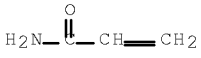
CM 1

CRN 10604-69-0
CMF C3 H4 O2 . H3 N



CM 2

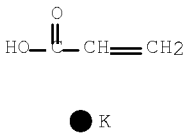
CRN 79-06-1
CMF C3 H5 N O



RN 31212-13-2 HCAPLUS
CN 2-Propenoic acid, potassium salt (1:1), polymer with 2-propenamide
(CA INDEX NAME)

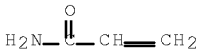
CM 1

CRN 10192-85-5
CMF C3 H4 O2 . K



CM 2

CRN 79-06-1
CMF C3 H5 N O

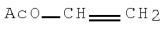


IT 9003-20-7, Polyvinyl acetate 9003-39-8, Polyvinylpyrrolidone 9005-11-2, Poly-N-vinylsuccinimide 26159-89-7, Polypotassium acrylate 866041-93-2, Poly-N-vinyl-2-methylsuccinimide
RL: NUU (Other use, unclassified); USES (Uses)
(dispersant; anionic water-in-water polymer dispersions using polymeric dispersants)

RN 9003-20-7 HCAPLUS
CN Acetic acid ethenyl ester, homopolymer (CA INDEX NAME)

CM 1

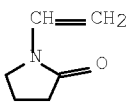
CRN 108-05-4
CMF C4 H6 O2



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

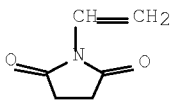
CRN 88-12-0
CMF C6 H9 N O



RN 9005-11-2 HCAPLUS
CN 2,5-Pyrrolidinedione, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

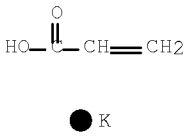
CRN 2372-96-5
CMF C6 H7 N O2



RN 26159-89-7 HCAPLUS
CN 2-Propenoic acid, potassium salt (1:1), homopolymer (CA INDEX NAME)

CM 1

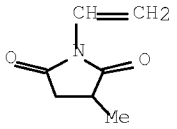
CRN 10192-85-5
CMF C3 H4 O2 . K



RN 866041-93-2 HCAPLUS
CN 2,5-Pyrrolidinedione, 1-ethenyl-3-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 36667-14-8
CMF C7 H9 N O2



IC ICM C08J003-03
ICS C08F002-10; C08F002-20; C08F020-36; C08F020-54; C08F020-56; D21H021-10
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 43
ST water in water anionic polymer dispersion paper industry; acrylamide ammonium acrylate

copolymer water in water dispersion; polypotassium acrylate dispersant water in water polymer dispersion; polymeric dispersant anionic polymer dispersion

IT Flocculants
(anionic water-in-water polymer dispersions using polymeric dispersants for flocculants)

IT Paper
(anionic water-in-water polymer dispersions using polymeric dispersants for retention agents in paper manufacture)

IT Polyamines
RL: NUU (Other use, unclassified); USES (Uses)
(dispersant; anionic water-in-water polymer dispersions using polymeric dispersants)

IT Dispersing agents
(polymeric; anionic water-in-water polymer dispersions using polymeric dispersants)

IT 25085-02-3P, Acrylamide-sodium acrylate copolymer 26100-47-0P, Acrylamide-ammonium acrylate copolymer 31212-13-2P, Acrylamide-potassium acrylate copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(anionic water-in-water polymer dispersions using polymeric dispersants)

IT 9002-98-6 9003-20-7, Polyvinyl acetate 9003-39-8, Polyvinylpyrrolidone 9003-47-8, Polyvinylpyridine 9004-34-6D, Cellulose, derivs. 9004-54-0, Dextran, uses 9005-11-2, Poly-N-vinylsuccinimide 9005-25-8, Starch, uses 9005-25-8D, Starch, derivs. 25232-42-2, Polyvinylimidazole 26159-89-7, Polypotassium acrylate 27082-99-1, Poly(N-vinyl-1,3-oxazolidin-2-one) 866041-93-2, Poly-N-vinyl-2-methylsuccinimide 866041-94-3, Poly(1-vinyl-2-methylimidazoline)
RL: NUU (Other use, unclassified); USES (Uses)
(dispersant; anionic water-in-water polymer dispersions using polymeric dispersants)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 2 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1071594 HCAPLUS Full-text
DOCUMENT NUMBER: 143:327677
TITLE: Method for preparing disperse dye microcapsules
INVENTOR(S): Chen, Shuilin; Li, Zhuo
PATENT ASSIGNEE(S): Donghua University, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1443807	A	20030924	CN 2003-116242	2003 0408

<--

CN 1215126 C 20050817

PRIORITY APPLN. INFO.: CN 2003-116242 2003 0408

<--

OTHER SOURCE(S): MARPAT 143:327677

ED Entered STN: 07 Oct 2005

AB Disperse dyes are microencapsulated using di- or polyisocyanates as wall materials by interfacial polymerization Thus, Disperse Dark Blue S 3BG was encapsulated with a reaction product of MDI-Polyether 2040 copolymer with BuNH2.

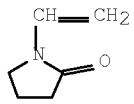
IT 9003-39-8, Pvp
RL: MOA (Modifier or additive use); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)

RN 9003-39-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IC ICM C09B067-38
ICS B01J013-16

CC 40-6 (Textiles and Fibers)
Section cross-reference(s): 41

ST disperse dye microencapsulation polyether polyurethane polyurea

IT Emulsifying agents
Surfactants
(anionic; disperse dye microencapsulated with polyurethane polyureas)

IT Surfactants
(cationic; disperse dye microencapsulated with polyurethane polyureas)

IT Disperse dyes
Emulsifying agents
Microcapsules
(disperse dye microencapsulated with polyurethane polyureas)

IT Gelatins, uses
Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)

IT Amines, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(disperse dye microencapsulated with polyurethane polyureas)

IT Polymerization
(interfacial; disperse dye microencapsulated with polyurethane polyureas)

IT Emulsifying agents
Surfactants
(nonionic; disperse dye microencapsulated with polyurethane polyureas)

IT Polyurethanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurea-; disperse dye microencapsulated with polyurethane polyureas)
IT Polyureas
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-; disperse dye microencapsulated with polyurethane polyureas)
IT Colloids
(protective; disperse dye microencapsulated with polyurethane polyureas)
IT Sulfonic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(salts, ligno-; disperse dye microencapsulated with polyurethane polyureas)
IT 77-58-7, Dibutyltin dilaurate
RL: CAT (Catalyst use); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)
IT 865429-35-2DP, reaction products with butylamine
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)
IT 109-73-9D, Butylamine, reaction products with polyurethanes 151-21-3, Sodium lauryl sulfate, uses 9002-89-5, Polyvinyl alcohol 9003-05-8, Polyacrylamide 9003-39-8, Pvp 9004-67-5, Methyl cellulose
RL: MOA (Modifier or additive use); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)
IT 31810-89-6, Disperse Blue 2BLN 234443-09-5, Disperse Blue S 3BG 865429-34-1, Disperse Yellow E 3RL
RL: TEM (Technical or engineered material use); USES (Uses)
(disperse dye microencapsulated with polyurethane polyureas)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L138 ANSWER 3 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:888912 HCAPLUS Full-text
DOCUMENT NUMBER: 143:235439
TITLE: Dispersions prepared by use of self-stabilizing agents
INVENTOR(S): Kipp, James E.; Doty, Mark; Rebbeck, Christine L.
PATENT ASSIGNEE(S): Baxter International Inc., USA
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077337	A2	20050825	WO 2005-US2471	20050126
			<--	
WO 2005077337	A3	20060323		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG,

ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH,
CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT,
LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 20050196416	A1	20050908	US 2005-43314	2005 0126 <--
EP 1711163	A2	20061018	EP 2005-712082	2005 0126 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
JP 2007520555	T	20070726	JP 2006-552152	2005 0126 <--
PRIORITY APPLN. INFO.:			US 2004-542372P P	2004 0205 <--
			WO 2005-US2471 W	2005 0126

ED Entered STN: 25 Aug 2005

AB The present invention relates to a dispersion of an active agent, which includes a multiphase system of an organic phase and an aqueous phase. The active agent, preferably poorly water soluble, e.g., a therapeutic agents such as efaproxiral, alprostadil, amiodarone and betulinic acid, possesses surface active properties and itself serves as a dispersant or a stabilizer for the dispersion. The dispersion is suitable for pharmaceutical, veterinary, cosmetic, and agricultural applications, and is suitable for in vivo delivery, particularly by parenteral routes. For example, prostaglandins as potential surface-active, poorly water-soluble active agents (e.g., prostaglandin E1, also known as alprostadil) are carboxylic acids that may be deprotonated to form an amphipathic salt that is potentially capable of stabilizing an oil-in-water or solid-water interface.

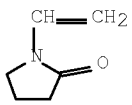
IT 9003-39-8, Polyvinylpyrrolidone
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

RN 9003-39-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IC ICM A61K009-107
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 5, 62
ST water poorly sol active agent surfactant dispersant stabilizer dispersion
IT Alcohols, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(C16-18; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Amphiphiles
(active agents; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-stabilizers)
IT Mycobacterium
(agents for inhibition of; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Blood, disease
(agents for treatment of; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Sulfonic acids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkanesulfonic, esters; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-stabilizers)
IT Pyridinium compounds
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Quaternary ammonium compounds, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkylbenzyldimethyl, chlorides; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Hormones, animal, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(anabolic steroids; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Surfactants
(anionic; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-stabilizers)
IT Skin preparations (pharmaceutical)
(astringents; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Drug delivery systems
(buccal; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Surfactants
(cationic; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-stabilizers)
IT Imaging agents
(contrast; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Drug delivery systems
(emulsions; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT Alcohols, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fatty, ethoxylated; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Nervous system agents
(ganglionic blocking agents; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Hydrocarbons, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(halo; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Drug delivery systems
(liqs., dispersions; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Hemoglobins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(modifiers; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)
IT Adrenoceptor agonists
Adrenoceptor antagonists
Alkylating agents, biological
Allergy inhibitors
Analgesics
Anesthetics
Antacids
Anthelmintics
Anti-inflammatory agents
Antiarrhythmics
Antibacterial agents
Antibiotics
Anticoagulants
Anticonvulsants
Antidepressants
Antidiabetic agents
Antidiarrheals
Antidotes
Antihistamines
Antihypertensives
Antimalarials
Antipyretics
Antirheumatic agents
Antithyroid agents
Antitumor agents
Antitussives
Antiviral agents
Anxiolytics
Appetite depressants
Cholinergic agonists
Cholinergic antagonists
Coating materials
Cosmetics
Diagnostic agents
Dietary supplements
Diuretics
Dopamine agonists
Drugs
Fungicides
Hemostatics
Hypnotics and Sedatives
Hypolipemic agents
Imaging agents

Immunomodulators
Immunostimulants
Immunosuppressants
Muscarinic agonists
Muscarinic antagonists
Muscle relaxants
Nervous system stimulants
Particle size
Pesticides
Protozoacides
Psychotropics
Radiopharmaceuticals
Sterilization and Disinfection
Vaccines
Vasodilators
β-Adrenoceptor antagonists
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT Acids, biological studies
Albumins, biological studies
Alcohols, biological studies
Aldehydes, biological studies
Alkaloids, biological studies
Amines, biological studies
Antibodies and Immunoglobulins
Aromatic hydrocarbons, biological studies
Canola oil
Carbohydrates, biological studies
Caseins, biological studies
Corticosteroids, biological studies
Cottonseed oil
Cycloalkanes
Cycloalkenes
Cyclosiloxanes
Diglycerides
Esters, biological studies
Ethers, biological studies
Glycerides, biological studies
Glycoproteins
Hormones, animal, biological studies
Ketones, biological studies
Lysophospholipids
Monoglycerides
Peanut oil
Peptides, biological studies
Phosphatidylethanolamines, biological studies
Polyoxyalkylenes, biological studies
Polysaccharides, biological studies
Prostaglandins
Proteins
Quaternary ammonium compounds, biological studies
Safflower oil
Sex hormones
Soybean oil
Vitamins
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT Dispersing agents
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-dispersants and self-stabilizers)

IT Stabilizing agents
(multiphase dispersion systems of poorly water-soluble

agents with surface-active properties acting as
self-stabilizers)
IT Bile acids
Bile salts
Phosphatidic acids
Phosphatidylcholines, biological studies
Phosphatidylglycerols
Phosphatidylinositols
Phosphatidylserines
Phospholipids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(multiphase dispersion systems of poorly water-soluble
agents with surface-active properties acting as
self-stabilizers)
IT Surfactants
(nonionic; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
self-stabilizers)
IT Drug delivery systems
(ophthalmic; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Drug delivery systems
(oral; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Nanoparticles
(organic phase comprising; multiphase dispersion systems
of poorly water-soluble agents with surface-active properties
acting as dispersants or stabilizers)
IT Drug delivery systems
(parenterals; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Drug delivery systems
(rectal; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Phospholipids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(soya; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Liquid-liquid interface
Liquid-solid interface
(stabilization of; multiphase dispersion systems of
poorly water-soluble agents with surface-active properties acting
as dispersants or stabilizers)
IT Drug delivery systems
(topical; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Drug delivery systems
(transdermal; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Drug delivery systems
(vaginal; multiphase dispersion systems of poorly
water-soluble agents with surface-active properties acting as
dispersants or stabilizers)
IT Surfactants
(zwitterionic; multiphase dispersion systems of
poorly water-soluble agents with surface-active properties acting
as self-stabilizers)
IT 131179-95-8, Efaproxiral
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(RSR 13; multiphase dispersion systems of poorly

water-soluble agents with surface-active properties acting as self-stabilizers)

IT 61909-81-7, Polyethylene glycol 12-hydroxystearate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Solutol; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT 9001-08-5, Cholinesterase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT 57-09-0, Cetyltrimethylammonium bromide 69-89-6D, Xanthine, derivs. 81-24-3, Taurocholic acid 83-44-3, Deoxycholic acid 100-51-6, Benzyl alcohol, biological studies 107-46-0, Hexamethyldisiloxane 108-32-7, Propylene carbonate 109-99-9, Tetrahydrofuran, biological studies 112-92-5, Stearyl alcohol 139-07-1, Lauryl dimethylbenzylammonium chloride 141-78-6, Ethyl acetate, biological studies 145-42-6, Sodium taurocholate 302-95-4, Sodium deoxycholate 360-65-6, Glycodeoxycholic acid 461-05-2D, Carnitine hydrochloride, acyl derivs. 475-31-0, Glycocholic acid 863-57-0, Sodium glycocholate 2462-63-7, Dioleoylphosphatidylethanolamine 4537-76-2, Distearoylphosphatidylethanolamine 5681-36-7, Dipalmitoylphosphatidylethanolamine 8001-27-2, Hirudin 9002-89-5, Polyvinyl alcohol 9003-11-6, Ethylene oxide-propylene oxide copolymer 9003-39-8, Polyvinylpyrrolidone 9004-34-6, Cellulose, biological studies 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9004-67-5, Methyl cellulose 9005-25-8, Starch, biological studies 9005-25-8D, Starch, derivs. 9005-27-0, Hydroxyethyl starch 9005-49-6, Heparin, biological studies 9005-63-4D, Polyoxyethylene sorbitan, fatty acid esters 9007-12-9, Calcitonin 9012-76-4, Chitosan 12441-09-7D, Sorbitan, esters 20255-95-2, Dimyristoylphosphatidylethanolamine 25322-68-3, Polyethylene glycol 25322-68-3D, Polyoxyethylene glycol, fatty acid esters or phospholipid conjugates 25322-69-4, Polypropylene glycol 31566-31-1, Glycerol monostearate 36653-82-4, Cetyl alcohol 37353-59-6, Hydroxymethyl cellulose 110617-70-4, Poloxamine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as dispersants or stabilizers)

IT 56-81-5D, Glycerol, esters 81-25-4, Cholic acid 151-21-3, Sodium lauryl sulfate, biological studies 472-15-1, Betulinic acid 577-11-7, Dioctyl sodium sulfosuccinate 745-65-3, Alprostadil 1951-25-3, Amiodarone 4568-28-9, Triethanolamine stearate 7664-38-2D, Phosphoric acid, alkyl esters 9004-32-4, Sodium carboxymethyl cellulose 9005-38-3, Sodium alginate 10124-65-9, Potassium laurate 13598-36-2D, Phosphonic acid, alkyl esters 34870-92-3D, Polyoxyethylene sulfate, alkyl derivs.
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(multiphase dispersion systems of poorly water-soluble agents with surface-active properties acting as self-stabilizers)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 4 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:220420 HCAPLUS Full-text
DOCUMENT NUMBER: 140:272716
TITLE: Formulations comprising water-soluble granulates
INVENTOR(S): Dreyer, Pierre; Haiss, Elke; Iltis, Laure; Kvita, Petr; Menge, Ullrich

PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004022693	A1	20040318	WO 2003-EP9409	20030826
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003267010	A1	20040329	AU 2003-267010	20030826
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EP 1534814	A1	20050601	EP 2003-747927	20030826
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CN 1678728	A	20051005	CN 2003-820763	20030826
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CN 1320090	C	20070606		
JP 2005537370	T	20051208	JP 2004-533402	20030826
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US 20050227891 A1 20051013 US 2005-526093
2005
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PRIORITY APPLN. INFO.: EP 2002-405766 A
2002
0904
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WO 2003-EP9409 W
2003
0826
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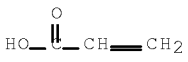
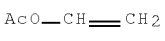
OTHER SOURCE(S): MARPAT 140:272716
ED Entered STN: 19 Mar 2004
AB The present invention relates to (i) formulations comprising water-soluble granulates of phthalocyanine compds., (ii) a process for the preparation thereof, and (iii) the use thereof in washing agent and washing agent additive formulations. Thus, a composition comprising 564 g 19.5% aqueous aluminum phthalocyanine solution 564 and 1857 g an aqueous solution containing 541 g anionic dispersing agent and 270 g sodium sulfate was stirred at 25° for 1 h and dried in a spray-dryer with inlet air temperature 190° and exhaust air temperature 105° to give a granulate with average particle d. 70 μm, bulk d. 520 g/L, and residual water content 6%, 0.03% of which was mixed with sodium laurylbenzenesulfonate 10, sodium laurylsulfate 3, Neodol 23-6.5E 4, zeolite A 25, sodium percarbonate 20, perfume 0.1, cellulose 1.5, CM-cellulose 2, sodium sulfate 15, sodium carbonate 10, and tetraacetyl ethylenediamine 3% to give a washing agent.
IT 79-10-7D, Acrylic acid, ester, polymers
108-05-4, Vinyl acetate, uses 9003-20-7,
Polyvinyl acetate 9003-39-8, Polyvinyl pyrrolidone
25085-34-1, Acrylic acid-styrene copolymer
25086-89-9, Vinyl acetate-vinyl pyrrolidone copolymer
30581-59-0, Dimethylaminoethyl methacrylate-vinyl
pyrrolidone copolymer 55989-05-4, Ethyl
acrylate-methacrylic acid-methyl methacrylate copolymer ammonium
salt 102972-64-5, Dimethylaminoethyl
methacrylate-vinyl caprolactam-vinyl
pyrrolidone copolymer 131954-48-8
156218-88-1, Dimethylaminopropyl methacrylate-vinyl
pyrrolidone copolymer 478243-90-2,
Dimethylaminopropylmethacrylamide-vinyl pyrrolidone copolymer
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; formulations comprising
water-soluble granulates)
RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (CA INDEX NAME)



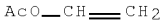
RN 108-05-4 HCAPLUS
CN Acetic acid ethenyl ester (CA INDEX NAME)



RN 9003-20-7 HCAPLUS
CN Acetic acid ethenyl ester, homopolymer (CA INDEX NAME)

CM 1

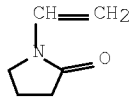
CRN 108-05-4
CMF C4 H6 O2



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

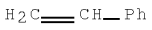
CRN 88-12-0
CMF C6 H9 N O



RN 25085-34-1 HCAPLUS
CN 2-Propenoic acid, polymer with ethenylbenzene (CA INDEX NAME)

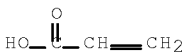
CM 1

CRN 100-42-5
CMF C8 H8



CM 2

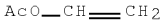
CRN 79-10-7
CMF C3 H4 O2



RN 25086-89-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

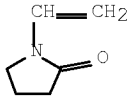
CM 1

CRN 108-05-4
CMF C4 H6 O2



CM 2

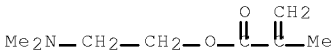
CRN 88-12-0
CMF C6 H9 N O



RN 30581-59-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

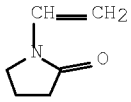
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 88-12-0
CMF C6 H9 N O



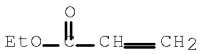
RN 55989-05-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CA INDEX NAME)

CM 1

CRN 25133-97-5
CMF (C5 H8 O2 . C5 H8 O2 . C4 H6 O2)x
CCI PMS

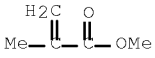
CM 2

CRN 140-88-5
CMF C5 H8 O2



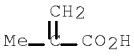
CM 3

CRN 80-62-6
CMF C5 H8 O2



CM 4

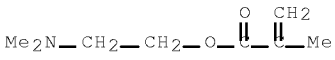
CRN 79-41-4
CMF C4 H6 O2



RN 102972-64-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

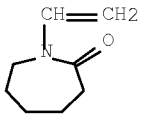
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



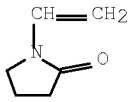
CM 2

CRN 2235-00-9
CMF C8 H13 N O



CM 3

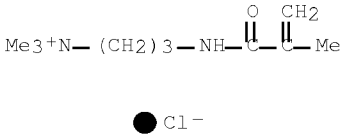
CRN 88-12-0
CMF C6 H9 N O



RN 131954-48-8 HCAPLUS
CN 1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propen-1-yl)amino]-, chloride (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

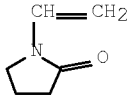
CM 1

CRN 51410-72-1
CMF C10 H21 N2 O . Cl



CM 2

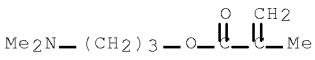
CRN 88-12-0
CMF C6 H9 N O



RN 156218-88-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 3-(dimethylamino)propyl ester, polymer with 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

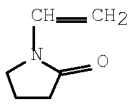
CM 1

CRN 20602-77-1
CMF C9 H17 N O2



CM 2

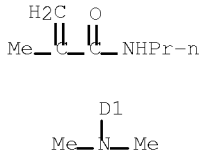
CRN 88-12-0
CMF C6 H9 N O



RN 478243-90-2 HCAPLUS
CN 2-Propenamide, N-[(dimethylamino)propyl]-2-methyl-, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

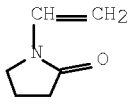
CM 1

CRN 67296-21-3
CMF C9 H18 N2 O
CCI IDS

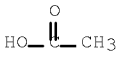


CM 2

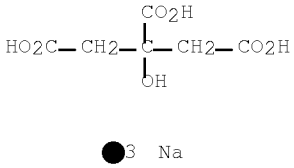
CRN 88-12-0
CMF C6 H9 N O



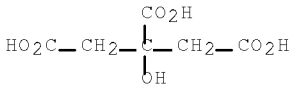
IT 64-19-7, Acetic acid, uses 68-04-2, Sodium citrate 77-92-9, Citric acid, uses 79-10-7, Acrylic acid, uses 7647-14-5, Sodium chloride, uses 7757-82-6, Sodiumsulfate, uses 9003-01-4, Polyacrylic acid
RL: MOA (Modifier or additive use); USES (Uses)
(formulations comprising water-soluble granulates)
RN 64-19-7 HCAPLUS
CN Acetic acid (CA INDEX NAME)



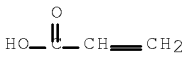
RN 68-04-2 HCAPLUS
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt (1:3)
(CA INDEX NAME)



RN 77-92-9 HCAPLUS
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy- (CA INDEX NAME)

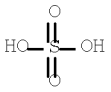


RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (CA INDEX NAME)



RN 7647-14-5 HCAPLUS
CN Sodium chloride (NaCl) (CA INDEX NAME)

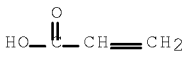
RN 7757-82-6 HCAPLUS
CN Sulfuric acid sodium salt (1:2) (CA INDEX NAME)



RN 9003-01-4 HCAPLUS
CN 2-Propenoic acid, homopolymer (CA INDEX NAME)

CM 1

CRN 79-10-7
CMF C3 H4 O2



IC ICM C11D017-06
ICS C11D003-39
CC 46-5 (Surface Active Agents and Detergents)
ST formulation comprising water soluble granulate; aluminum phthalocyanine anionic dispersing agent sodium sulfate granulate prepn
IT Dispersing agents
Surfactants
(anionic; formulations comprising water-soluble granulates)
IT Sulfonic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(arenesulfonic, salts, alkyl, dispersing agents; formulations comprising water-soluble granulates)
IT Polyoxyalkylenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(block, dispersing agents; formulations comprising water-soluble granulates)
IT Polyoxyalkylenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; formulations comprising water-soluble granulates)
IT Acrylic polymers, uses
Gelatins, uses
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agents; formulations comprising water-soluble granulates)
IT Bleaching agents
Dispersing agents
Dyes
Fillers
Fluorescent brighteners
Pigments, nonbiological
Textiles
Wetting agents
(formulations comprising water-soluble granulates)
IT A zeolites
Aluminosilicates, uses
Borates
Carbonates, uses
Carboxylic acids, uses
Diphosphates
Halides
Kaolin, uses
Peroxides, uses
Peroxysulfates
Phosphates, uses
Polysiloxanes, uses
Salts, uses
Silicates, uses

Sulfates, uses
Sulfites
Zeolites (synthetic), uses
RL: MOA (Modifier or additive use); USES (Uses)
(formulations comprising water-soluble granulates)

IT Carboxylic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polycarboxylic, dispersing agents;
formulations comprising water-soluble granulates)

IT Carboxylic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polycarboxylic, salts; formulations comprising
water-soluble granulates)

IT Sulfonic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polymers, dispersing agents; formulations
comprising water-soluble granulates)

IT Sulfonic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polymers, heterocyclic, dispersing agents;
formulations comprising water-soluble granulates)

IT Sulfonic acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(sodium salts, polymers, dispersing
agents; formulations comprising water-soluble granulates)

IT Polyphosphates
RL: MOA (Modifier or additive use); USES (Uses)
(sodium salts; formulations comprising water-soluble
granulates)

IT Polymers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(sulfo-containing, heterocyclic, dispersing
agents; formulations comprising water-soluble granulates)

IT Aromatic compounds
RL: MOA (Modifier or additive use); USES (Uses)
(sulfonates, alkyl, dispersing agents;
formulations comprising water-soluble granulates)

IT Polymers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(water-soluble, dispersing agents;
formulations comprising water-soluble granulates)

IT 9017-33-8, Naphthalenesulfonic acid, polymer with
formaldehyde
RL: MOA (Modifier or additive use); USES (Uses)
(anionic dispersing agent;
formulations comprising water-soluble granulates)

IT 25608-40-6, Polyaspartic acid
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent, assumed monomers;
formulations comprising water-soluble granulates)

IT 57-50-1, Sucrose, uses 63-42-3, Lactose 79-10-7D,
Acrylic acid, ester, polymers 88-12-0, uses 108-05-4
, Vinyl acetate, uses 1321-69-3D, Naphthalenesulfonic acid
sodium salt, alkyl derivs. 8061-51-6, Sodium
lignosulfonate 9000-01-5, Arabic gum 9000-65-1, Tragacanth
9002-89-5, Polyvinyl alcohol 9003-05-8, Polyacrylamide
9003-11-6, Ethylene oxide-propylene oxide copolymer
9003-20-7, Polyvinyl acetate 9003-39-8,
Polyvinyl pyrrolidone 9004-32-4, Carboxymethyl cellulose
9004-64-2, Hydroxypropyl cellulose 9050-31-1, Hydroxypropyl
methylcellulose phthalate 9050-36-6, Maltodextrin
25085-34-1, Acrylic acid-styrene copolymer
25086-89-9, Vinyl acetate-vinyl pyrrolidone copolymer
25155-19-5D, Naphthalenesulfonic acid, alkyl derivs., polymers,
sodium salts 25322-68-3, Polyethylene glycol
26063-13-8, Polyaspartic acid 26101-52-0, Polyethylenesulfonic
acid 30581-59-0, Dimethylaminoethyl methacrylate-vinyl

pyrrolidone copolymer 37353-59-6, Hydroxymethyl cellulose 50851-57-5, Polystyrenesulfonic acid 52503-47-6, Ethylene oxide-propylene oxide copolymer ether with ethylenediamine 55989-05-4, Ethyl acrylate-methacrylic acid-methyl methacrylate copolymer ammonium salt 58226-28-1 64519-82-0, Isomalt 102972-64-5, Dimethylaminoethyl methacrylate-vinyl caprolactam-vinyl pyrrolidone copolymer 131954-48-8 156218-88-1, Dimethylaminopropyl methacrylate-vinyl pyrrolidone copolymer 478243-90-2, Dimethylaminopropylmethacrylamide-vinyl pyrrolidone copolymer
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; formulations comprising water-soluble granulates)

IT 64-18-6, Formic acid, uses 64-19-7, Acetic acid, uses 65-85-0, Benzoic acid, uses 68-04-2, Sodium citrate 71-52-3, Hydrogen carbonate, uses 77-92-9, Citric acid, uses 79-09-4, Propionic acid, uses 79-10-7, Acrylic acid, uses 83-86-3 87-69-4, Tartaric acid, uses 88-99-3, Phthalic acid, uses 100-21-0, Terephthalic acid, uses 104-15-4, p-Toluenesulfonic acid, uses 110-15-6, Succinic acid, uses 110-16-7, Maleic acid, uses 144-62-7, Oxalic acid, uses 497-19-8, Sodium carbonate, uses 526-95-4, Gluconic acid 563-69-9, Carbonoperoxoic acid 1344-09-8, Sodium silicate 2809-21-4, Hydroxyethanediphosphonic acid 3313-92-6, Sodium percarbonate 7631-86-9, Silica, uses 7632-05-5, Sodium phosphate 7647-14-5, Sodium chloride, uses 7757-82-6, Sodiumsulfate, uses 7758-29-4, Sodium tripolyphosphate 8061-51-6D, Sodium lignosulfonate, oxy derivs. 9001-92-7, Protease 9003-01-4, Polyacrylic acid 9012-54-8, Cellulase 10332-33-9, Sodium perborate monohydrate 11138-47-9, Sodium perborate 13463-67-7, Titaniumoxide, uses 14807-96-6, Talc, uses 14987-04-3, Magnesium trisilicate 15477-76-6, Phosphonate 41376-15-2D, Chloromethylbiphenyl, polymers with naphthalenesulfonic acid 102568-16-1D, salts
RL: MOA (Modifier or additive use); USES (Uses)
(formulations comprising water-soluble granulates)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 5 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:20006 HCAPLUS Full-text
DOCUMENT NUMBER: 140:78230
TITLE: Heat-sensitive delayed-tack antiblocking adhesives containing no endocrine disruptors and their manufacture
INVENTOR(S): Yasuda, Jun
PATENT ASSIGNEE(S): The Inctec Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004002772	A	20040108	JP 2003-91061	20030328

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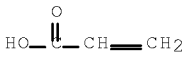
PRIORITY APPLN. INFO.: JP 2002-114528 A 20020417

<--

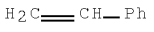
OTHER SOURCE(S): MARPAT 140:78230
ED Entered STN: 11 Jan 2004
AB Title adhesives contain aqueous dispersions of thermoplastic resins with Tg -20 to 100°, trimethylolpropane tribenzoate (the benzene rings may be substituted with alkyl, OH, and/or NH2), and aqueous dispersions. Thus, aqueous dispersion containing Polysol TI 3052 (styrene-acrylate ester copolymer) and NeoCryl BT 26 (styrene-acrylate ester copolymer) 35.00, trimethylolpropane tribenzoate 27.50, aqueous solution of SN dispersant 5045 (anionic surfactant) 22.50, and SE 50 (tackifier) 15.00 parts were blended, applied on the back side of coated paper, heated at 120°, and bonded to a glass plate to show firm adhesion to the substrate.
IT 79-10-7D, Acrylic acid, esters, polymers
25086-29-7, Styrene-vinylpyrrolidone copolymer
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(phthalate ester-free heat-sensitive delayed-tack antiblocking adhesives containing trimethylolpropane tribenzoates)
RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (CA INDEX NAME)



RN 25086-29-7 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, polymer with ethenylbenzene (CA INDEX NAME)

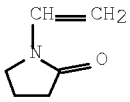
CM 1

CRN 100-42-5
CMF C8 H8



CM 2

CRN 88-12-0
CMF C6 H9 N O



IC ICM C09J201-00
ICS C09J011-06
CC 38-3 (Plastics Fabrication and Uses)
IT 74-85-1D, Ethylene, polymers with acrylate esters
79-10-7D, Acrylic acid, esters, polymers 100-42-5D, Styrene, polymers with acrylate esters 108-05-4D, Vinyl acetate, polymers with acrylate esters 9003-20-7, Poly(vinyl acetate) 9003-55-8, Butadiene-styrene copolymer 9003-63-8, Poly(butyl methacrylate) 9011-06-7, Vinyl chloride-vinylidene chloride

copolymer 25037-78-9, Ethylene-vinyl chloride copolymer
25086-29-7, Styrene-vinylpyrrolidone copolymer
299926-27-5, Polysol TI 3052 316354-55-9, NeoCryl BT 26
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(phthalate ester-free heat-sensitive delayed-tack antiblocking adhesives containing trimethylolpropane tribenzoates)

L138 ANSWER 6 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:309601 HCAPLUS Full-text
DOCUMENT NUMBER: 138:322908
TITLE: High-yield papermaking methods
INVENTOR(S): Kubota, Isamu; Wakatsuki, Shogo; Kodaka, Emiko
PATENT ASSIGNEE(S): Hymo Corporation, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

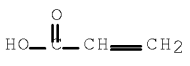
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003119696	A	20030423	JP 2001-314658	2001 1012 <--

PRIORITY APPLN. INFO.: JP 2001-314658 2001 1012 <--

ED Entered STN: 23 Apr 2003
AB Cationic and/or amphoteric aqueous polymers and anionic polymer dispersions containing <100 μm fine inorg. granules are added to pulping liquid, and the anionic polymer dispersions are prepared by polymerizing 5-100 mol% CHR2:CR1AY1 (R1 = H, Me, carboxymethyl, A = SO3, C6H4SO3, CONHCMe2CH2SO3, C6H4CO2, or CO2, R2 = H or CO2Y2, Y1, Y2 = H or cations) with 0-95 mol% nonionic monomers in the presence of inorg. granules and polymer dispersing agents in aqueous salt solns. Thus, a cationic 50:50 acrylamide-acryloyloxyethyltrimethylammonium chloride copolymer, an amphoteric 40:40:20 acrylamide-acryloyloxyethyltrimethylammonium chloride-sodium acrylate copolymer, and an anionic bentonite-containing acrylamide-acrylic acid-Na acrylate copolymer were prepared
IT 9003-06-9P, Acrylamide-acrylic acid copolymer
62649-23-4P, Acrylamide-acrylic acid-sodium acrylate copolymer 142943-69-9P 494852-63-0P, Acrylamide-acrylic acid-itaconic acid-sodium acrylate-sodium itaconate copolymer 514225-71-9P, Acrylamide-2-acrylamido-2-methylpropanesulfonic acid-acrylic acid-sodium acrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
RN 9003-06-9 HCAPLUS
CN 2-Propenoic acid, polymer with 2-propenamide (CA INDEX NAME)

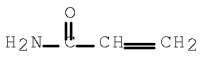
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

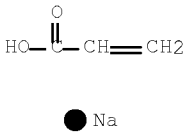
CRN 79-06-1
CMF C3 H5 N O



RN 62649-23-4 HCAPLUS
CN 2-Propenoic acid, polymer with 2-propenamide and sodium 2-propenoate (1:1) (CA INDEX NAME)

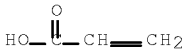
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



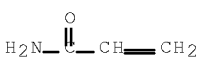
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

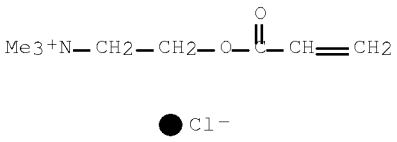
CRN 79-06-1
CMF C3 H5 N O



RN 142943-69-9 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propen-1-yl)oxy]-, chloride (1:1), polymer with 2-propenamide and sodium 2-propenoate (1:1) (CA INDEX NAME)

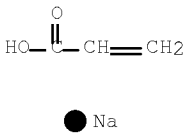
CM 1

CRN 44992-01-0
CMF C8 H16 N O2 . Cl



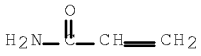
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 3

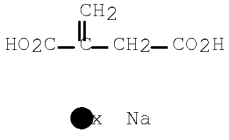
CRN 79-06-1
CMF C3 H5 N O



RN 494852-63-0 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 2-propenamide, 2-propenoic acid, sodium methylenebutanedioate and sodium 2-propenoate (9CI) (CA INDEX NAME)

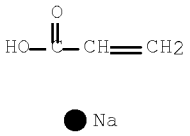
CM 1

CRN 50976-31-3
CMF C5 H6 O4 . x Na



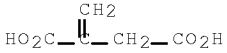
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



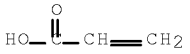
CM 3

CRN 97-65-4
CMF C5 H6 O4



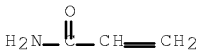
CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

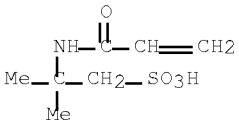
CRN 79-06-1
CMF C3 H5 N O



RN 514225-71-9 HCAPLUS
CN 2-Propenoic acid, polymer with
2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid,
2-propenamide and sodium 2-propenoate (1:1) (CA INDEX NAME)

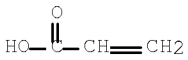
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



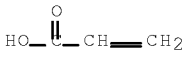
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



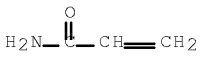
CM 3

CRN 79-10-7
CMF C3 H4 O2



CM 4

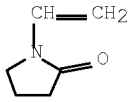
CRN 79-06-1
CMF C3 H5 N O



IT 9003-39-8, Poly(N-vinylpyrrolidone)
RL: MOA (Modifier or additive use); USES (Uses)
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IC ICM D21H021-10
ICS C08F002-16; C08F002-44; C08F020-06; C08F020-58; C08F022-02; D21H017-42
CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)
IT Polyelectrolytes
(amphoteric; high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Polyelectrolytes
(anionic; high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Polyelectrolytes
(cationic; high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Dispersing agents
Paper
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Bentonite, uses
Inorganic compounds
Kaolin, uses
Polymers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Vinyl compounds, uses
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(polymers; high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT Polymerization
(radical; high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT 9003-06-9P, Acrylamide-acrylic acid copolymer
62649-23-4P, Acrylamide-acrylic acid-sodium acrylate copolymer 69418-26-4P, Acrylamide-acryloyloxyethyltrimethylammonium chloride copolymer
142943-69-9P 494852-63-0P, Acrylamide-acrylic acid-itaconic acid-sodium acrylate-sodium itaconate copolymer
514225-71-9P, Acrylamide-2-acrylamido-2-methylpropanesulfonic acid-acrylic acid-sodium acrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)
IT 9003-39-8, Poly(N-vinylpyrrolidone) 14807-96-6, Talc, uses 26062-79-3, Poly(diallyldimethylammonium chloride) 38599-26-7, Poly(acrylamide-2-methylpropanesulfonic acid)
RL: MOA (Modifier or additive use); USES (Uses)
(high-yield papermaking methods using cationic and amphoteric and inorg. granule-containing anionic polymers)

L138 ANSWER 7 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN

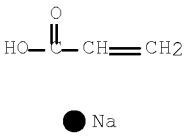
ACCESSION NUMBER: 2003:111094 HCAPLUS Full-text
DOCUMENT NUMBER: 138:153962
TITLE: Water soluble polymer dispersions and their production method
INVENTOR(S): Takeda, Hisao; Sugiyama, Toshiaki
PATENT ASSIGNEE(S): Hymo Corporation, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003041138	A	20030213	JP 2001-226039	2001 0726
			<--	
PRIORITY APPLN. INFO.:			JP 2001-226039	2001 0726
			<--	

ED Entered STN: 13 Feb 2003
AB Title dispersions comprise water soluble anionic and/or nonionic polymer particles with particle diameter ≤100 μm and aqueous salt solution-soluble synthetic polymers and polyalcs. as dispersing agents. Thus, 17.6 g 60% acrylic acid and 189.1 g 50% acrylamide were neutralized with 2.9 g 30% aqueous sodium hydroxide and polymerized in the presence of 18.6 g 20% aqueous anionic polymer solution obtained from 60 mol% sodium hydroxide-neutralized acrylic acid and 2.1 g glycerin to give an aqueous dispersion with polymer particle diameter 2-20 μm, dispersion viscosity 310 mPa-s, and weight average mol. weight 12,000,000.
IT 9033-79-8, Acrylic acid-sodium acrylate copolymer
27790-23-4D, Itaconic acid-methacrylic acid copolymer, salt 30326-74-0D, Methacrylic acid-vinyl pyrrolidone copolymer, salt 76404-20-1D, 2-Acrylamido-2-methylpropanesulfonic acid-methacrylic acid copolymer, salt
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)
RN 9033-79-8 HCAPLUS
CN 2-Propenoic acid, polymer with sodium 2-propenoate (1:1) (CA INDEX NAME)

CM 1

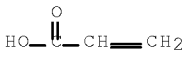
CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 79-10-7

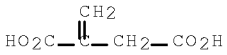
CMF C3 H4 O2



RN 27790-23-4 HCAPLUS
CN Butanedioic acid, 2-methylene-, polymer with 2-methyl-2-propenoic acid (CA INDEX NAME)

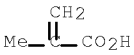
CM 1

CRN 97-65-4
CMF C5 H6 O4



CM 2

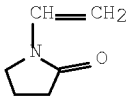
CRN 79-41-4
CMF C4 H6 O2



RN 30326-74-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

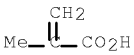
CM 1

CRN 88-12-0
CMF C6 H9 N O



CM 2

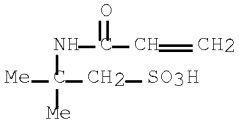
CRN 79-41-4
CMF C4 H6 O2



RN 76404-20-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid (CA INDEX NAME)

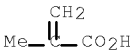
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 2

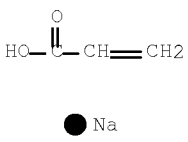
CRN 79-41-4
CMF C4 H6 O2



IT 62649-23-4P 468721-70-2P
494852-63-0P
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(preparation of water soluble polymer dispersions in presence of dispersing agents)
RN 62649-23-4 HCAPLUS
CN 2-Propenoic acid, polymer with 2-propenamide and sodium 2-propenoate (1:1) (CA INDEX NAME)

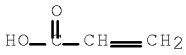
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



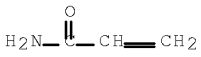
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

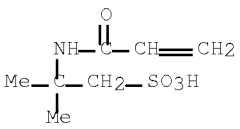
CRN 79-06-1
CMF C3 H5 N O



RN 468721-70-2 HCAPLUS
CN 2-Propenoic acid, polymer with
2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid,
2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid
monosodium salt, 2-propenamide and sodium 2-propenoate (9CI) (CA
INDEX NAME)

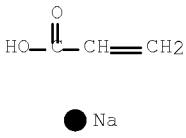
CM 1

CRN 15214-89-8
CMF C7 H13 N O4 S



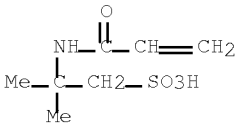
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



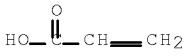
CM 3

CRN 5165-97-9
CMF C7 H13 N O4 S . Na



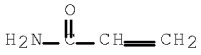
CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

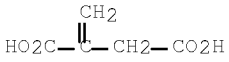
CRN 79-06-1
CMF C3 H5 N O



RN 494852-63-0 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 2-propenamide, 2-propenoic acid, sodium methylenebutanedioate and sodium 2-propenoate (9CI) (CA INDEX NAME)

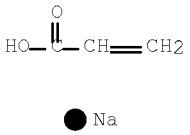
CM 1

CRN 50976-31-3
CMF C5 H6 O4 . x Na



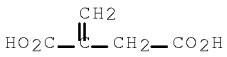
CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



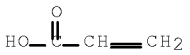
CM 3

CRN 97-65-4
CMF C5 H6 O4



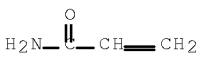
CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

CRN 79-06-1
CMF C3 H5 N O



IC ICM C08L101-14
ICS C08F002-20; C08K005-053
CC 35-4 (Chemistry of Synthetic High Polymers)
ST water soluble polymer dispersion prodn; sodium acrylate acrylic acid copolymer glycerin dispersing agent; acrylic acid sodium acrylate acrylamide copolymer particle prepn
IT Polyelectrolytes
(anionic, optionally dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)
IT Polyoxyalkylenes, uses

RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT Polyoxyalkylenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polyalc. derivs., dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT Alcohols, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polyhydric, dispersing agents; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT Dispersing agents
(preparation of water soluble polymer dispersions in presence of dispersing agents)

IT Polymers, preparation
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(water-soluble, optionally dispersing agents; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT 117397-25-8P
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT 50-70-4, Sorbitol, uses 50-70-4D, Sorbitol, polyoxyalkylene derivs. 56-81-5, Glycerin, uses 57-55-6, Propylene glycol, uses 107-21-1, Ethylene glycol, uses 115-77-5, Pentaerythritol, uses 115-77-5D, Pentaerythritol, polyoxyalkylene derivs. 9033-79-8, Acrylic acid-sodium acrylate copolymer 25322-68-3, Polyethylene glycol 25322-68-3D, Polyethylene glycol, polyalc. derivs. 25322-69-4, Polypropylene glycol 25322-69-4D, Polypropylene glycol, polyalc. derivs. 27119-07-9D, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer, salt 27790-23-4D, Itaconic acid-methacrylic acid copolymer, salt 30326-74-0D, Methacrylic acid-vinyl pyrrolidone copolymer, salt 31694-55-0, Polyethylene glycol glycerin ether 50851-57-5D, Styrene sulfonic acid homopolymer, salt 53694-15-8, Polyethylene glycol sorbitol ether 61944-28-3D, Butene-maleic anhydride copolymer, salt or amidized 76404-20-1D, 2-Acrylamido-2-methylpropanesulfonic acid-methacrylic acid copolymer, salt
RL: MOA (Modifier or additive use); USES (Uses)
(dispersing agent; preparation of water soluble polymer dispersions in presence of dispersing agents)

IT 9003-05-8P, Acrylamide homopolymer 62649-23-4P 468721-70-2P 494852-63-0P
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(preparation of water soluble polymer dispersions in presence of dispersing agents)

IT 40623-73-2D, Acrylamide-2-acrylamido-2-methylpropanesulfonic acid copolymer, salt
RL: MOA (Modifier or additive use); USES (Uses)
(preparation of water soluble polymer dispersions in presence of dispersing agents)

L138 ANSWER 8 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2001:10585 HCAPLUS Full-text
DOCUMENT NUMBER: 134:76117
TITLE: Mascaras comprising film-forming

polymers
INVENTOR(S): Bodelin, Sophie
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1064919	A1	20010103	EP 2000-401662	2000 0613 <--
EP 1064919	B1	20031119		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2795635	A1	20010105	FR 1999-8412	1999 0630 <--
FR 2795635	B1	20060915		
AT 254444	T	20031215	AT 2000-401662	2000 0613 <--
ES 2211471	T3	20040716	ES 2000-401662	2000 0613 <--
CA 2340079	A1	20010111	CA 2000-2340079	2000 0620 <--
CA 2340079	C	20070410		
WO 2001001935	A1	20010111	WO 2000-FR1697	2000 0620 <--
W: BR, CA, CN, KR, MX				
BR 2000006902	A	20010612	BR 2000-6902	2000 0620 <--
CN 1195479	C	20050406	CN 2000-801763	2000 0620 <--
JP 2001055310	A	20010227	JP 2000-196939	2000 0629 <--
US 6534047	B1	20030318	US 2000-605435	2000 0629 <--
MX 2001001629	A	20020408	MX 2001-1629	2001 0213 <--
PRIORITY APPLN. INFO.:			FR 1999-8412 A	1999 0630 <--

WO 2000-FR1697 W 20000620

<--

ED Entered STN: 05 Jan 2001

AB Mascaras comprising cationic and anionic polymers and a dispersion of nonionic film-forming polymers, e.g. C1-6 alkyl acrylate polymers are disclosed. A mascara contained carnauba wax 7, bees wax 8, rice ban wax 7, candelilla wax 2.5, 2-amino-2-methylpropane-1,3-diol 0.2, triethanolamine 2.4, stearic acid 5.4, hydrosol. nonionic polymer 1.72, Et acrylate-Me methacrylate copolymer 0.75, dimethicone copolyol 0.2, sodium polymethacrylate 0.25, JR-400 0.1, pigments 6, preservatives and water q.s. 100 g.

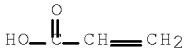
IT 9003-01-4, Acrylic acid homopolymer 9003-06-9, Acrylic acid acrylamide copolymer 9003-39-8, Polyvinylpyrrolidone 25086-15-1, Methacrylic acid methyl methacrylate copolymer 25087-26-7, Polymethacrylic acid 25212-88-8, Methacrylic acid ethyl acrylate copolymer 26062-56-6, Acrylic acid ethyl acrylate N-tert-butylacrylamide copolymer 29297-55-0, Vinylimidazole vinyl pyrrolidone copolymer 54193-36-1, Sodium polymethacrylate 83120-95-0
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(mascaras comprising film-forming polymers)

RN 9003-01-4 HCAPLUS

CN 2-Propenoic acid, homopolymer (CA INDEX NAME)

CM 1

CRN 79-10-7
CMF C3 H4 O2

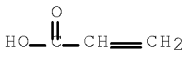


RN 9003-06-9 HCAPLUS

CN 2-Propenoic acid, polymer with 2-propenamide (CA INDEX NAME)

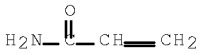
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

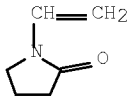
CRN 79-06-1
CMF C3 H5 N O



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

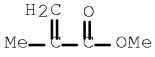
CRN 88-12-0
CMF C6 H9 N O



RN 25086-15-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with methyl 2-methyl-2-propenoate (CA INDEX NAME)

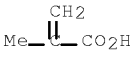
CM 1

CRN 80-62-6
CMF C5 H8 O2



CM 2

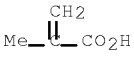
CRN 79-41-4
CMF C4 H6 O2



RN 25087-26-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, homopolymer (CA INDEX NAME)

CM 1

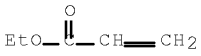
CRN 79-41-4
CMF C4 H6 O2



RN 25212-88-8 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate (CA INDEX NAME)

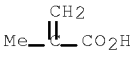
CM 1

CRN 140-88-5
CMF C5 H8 O2



CM 2

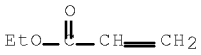
CRN 79-41-4
CMF C4 H6 O2



RN 26062-56-6 HCAPLUS
CN 2-Propenoic acid, polymer with N-(1,1-dimethylethyl)-2-propenamide and ethyl 2-propenoate (CA INDEX NAME)

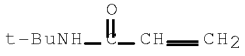
CM 1

CRN 140-88-5
CMF C5 H8 O2



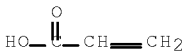
CM 2

CRN 107-58-4
CMF C7 H13 N O



CM 3

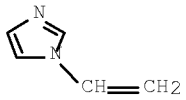
CRN 79-10-7
CMF C3 H4 O2



RN 29297-55-0 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole (CA INDEX NAME)

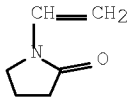
CM 1

CRN 1072-63-5
CMF C5 H6 N2



CM 2

CRN 88-12-0
CMF C6 H9 N O



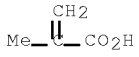
RN 54193-36-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, homopolymer, sodium salt (CA INDEX NAME)

CM 1

CRN 25087-26-7
CMF (C4 H6 O2)x
CCI PMS

CM 2

CRN 79-41-4
CMF C4 H6 O2

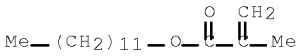


RN 83120-95-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 2-propenoic acid (CA INDEX NAME)

CM 1

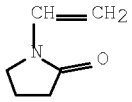
CRN 142-90-5

CMF C16 H30 O2



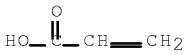
CM 2

CRN 88-12-0
CMF C6 H9 N O



CM 3

CRN 79-10-7
CMF C3 H4 O2



IC ICM A61K007-06
ICS A61K007-48; A61K007-032
CC 62-3 (Essential Oils and Cosmetics)
IT Polyelectrolytes
(anionic; mascaras comprising film-forming polymers)
IT Polyelectrolytes
(cationic; mascaras comprising film-forming polymers)
IT Polysaccharides, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(cationic; mascaras comprising film-forming polymers)
IT Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(di-Me, Me hydrogen polysiloxane-; mascaras comprising film-forming polymers)
IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(di-Me, Me hydrogen, polyoxyalkylene-; mascaras comprising film-forming polymers)
IT Cosmetics
(emollients; mascaras comprising film-forming polymers)
IT Cosmetics
(emulsions; mascaras comprising film-forming polymers)
IT Cosmetics

(makeups; mascaras comprising film-forming polymers)
IT Perfumes
Pigments, nonbiological
Plasticizers
Preservatives
Sequestering agents
Surfactants
Thickening agents
(mascaras comprising film-forming polymers)
IT Acids, biological studies
Acrylic polymers, biological studies
Alkali metal hydroxides
Ceramides
DNA
Polymers, biological studies
Polyolefins
Polysiloxanes, biological studies
Proteins, general, biological studies
Trace elements, biological studies
Vitamins
Waxes
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(mascaras comprising film-forming polymers)
IT Cosmetics
(mascaras; mascaras comprising film-forming polymers)
IT Liquids
(oils; mascaras comprising film-forming polymers)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(polycarboxylic, salts, sodium; mascaras comprising film-forming polymers)
IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(polyoxyalkylene-; mascaras comprising film-forming polymers)
IT Polyoxyalkylenes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(polysiloxane-; mascaras comprising film-forming polymers)
IT 9003-01-4, Acrylic acid homopolymer 9003-05-8, Polyacrylamide 9003-06-9, Acrylic acid acrylamide copolymer 9003-16-1, Polyfumaric acid 9003-39-8, Polyvinylpyrrolidone 9004-34-6D, Cellulose, ethers, quaternary salts, biological studies 9010-88-2, Ethyl acrylate methyl methacrylate copolymer 9011-16-9, Methyl vinyl ether maleic anhydride copolymer 24937-72-2, Polymaleic anhydride 25014-12-4, Polymethacrylamide 25086-15-1, Methacrylic acid methyl methacrylate copolymer 25087-26-7, Polymethacrylic acid 25119-64-6, Polyitaconic acid 25212-88-8, Methacrylic acid ethyl acrylate copolymer 25609-89-6, Crotonic acid vinyl acetate copolymer 26062-56-6, Acrylic acid ethyl acrylate N-tert-butylacrylamide copolymer 26099-09-2, Polymaleic acid 29297-55-0, Vinylimidazole vinyl pyrrolidone copolymer 54193-36-1, Sodium polymethacrylate 81859-24-7, JR 400 83120-95-0 183151-35-1 185458-93-9
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(mascaras comprising film-forming polymers)
OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (14 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE

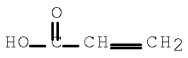
L138 ANSWER 9 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:808554 HCAPLUS Full-text
DOCUMENT NUMBER: 133:351263
TITLE: Mixtures of water-dispersible, silicon-modified comb polymers and physiologically acceptable anionic or amphoteric polymers for use in hair preparations
INVENTOR(S): Koller, Andreas; Detert, Marion
PATENT ASSIGNEE(S): Beiersdorf Aktiengesellschaft, Germany
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1052267	A2	20001115	EP 2000-110019	2000 0512
			<--	
EP 1052267	A3	20001122		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19922293	A1	20001116	DE 1999-19922293	1999 0514
			<--	
PRIORITY APPLN. INFO.:			DE 1999-19922293 A	1999 0514
			<--	

ED Entered STN: 17 Nov 2000
AB The title compns. contain comb polymers having main chains bonded via ester groups to polyester side chains containing sulfo and silicone groups. A comb polymer was prepared by heating isophthalic acid 282.4, di-Me Na 5-sulfoisophthalate 88.80, polysiloxane diol (mol. weight 4000) 40.00, poly(acrylic acid) (mol. weight 25,000) 3.00, 1,2-propanediol 104.62, diethylene glycol 119.25, Na2CO3 0.60, and (iso-PrO)4Ti 0.60 g at 170-220° with distillation of volatiles and then at 220° in vacuo. Use of the products in hair foams and styling gels is exemplified.
IT 9003-01-4DP, Poly(acrylic acid), reaction products with polyesters and polysiloxane diols
9003-39-8P, Luviskol K 30 25086-89-9P, Luviskol VA 37E 25189-83-7P, Luviskol Plus
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); POF (Polymer in formulation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
RN 9003-01-4 HCAPLUS
CN 2-Propenoic acid, homopolymer (CA INDEX NAME)

CM 1

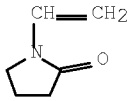
CRN 79-10-7
CMF C3 H4 O2



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

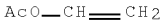
CRN 88-12-0
CMF C6 H9 N O



RN 25086-89-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

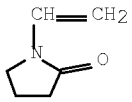
CM 1

CRN 108-05-4
CMF C4 H6 O2



CM 2

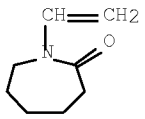
CRN 88-12-0
CMF C6 H9 N O



RN 25189-83-7 HCAPLUS
CN 2H-Azepin-2-one, 1-ethenylhexahydro-, homopolymer (CA INDEX NAME)

CM 1

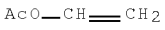
CRN 2235-00-9
CMF C8 H13 N O



IT 26124-25-4, Vinyl acetate-vinyl propionate-N-vinylpyrrolidinone copolymer
RL: BUU (Biological use, unclassified); POF (Polymer in formulation); BIOL (Biological study); USES (Uses)
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair preps.)
RN 26124-25-4 HCAPLUS
CN Propanoic acid, ethenyl ester, polymer with ethenyl acetate and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

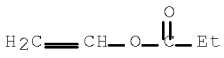
CM 1

CRN 108-05-4
CMF C4 H6 O2



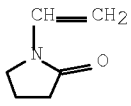
CM 2

CRN 105-38-4
CMF C5 H8 O2



CM 3

CRN 88-12-0
CMF C6 H9 N O



IC ICM C08G063-695
ICS C08G063-688; A61K007-06
CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 35, 62
ST comb polymer hair prepn; polyester comb polymer; polyacrylic acid comb polymer; polysiloxane diol comb polymer; foam hair comb polymer; styling gel hair comb polymer; blend

polymer hair prepn
IT Polymers, uses
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); POF (Polymer in formulation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(comb; mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
IT Polysiloxanes, uses
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); POF (Polymer in formulation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(diols, reaction products with polyesters and poly(acrylic acid); mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
IT Hair preparations
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
IT Polymer blends
RL: BUU (Biological use, unclassified); POF (Polymer in formulation); BIOL (Biological study); USES (Uses)
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
IT 9003-01-4DP, Poly(acrylic acid), reaction products with polyesters and polysiloxane diols
9003-39-8P, Luviskol K 30 25086-89-9P, Luviskol VA 37E 25189-83-7P, Luviskol Plus
300663-44-9DP, 1,4-Cyclohexanedicarboxylic acid-diethylene glycol-Li 5-sulfoisophthalate-isophthalic acid-1,2-propanediol copolymer, reaction products with poly(acrylic acid) and polysiloxane diols 306771-64-2DP, reaction products with poly(acrylic acid) and polysiloxane diols 306771-67-5DP, 1,4-Cyclohexanedicarboxylic acid-diethylene glycol-dimethyl sodium 5-sulfoisophthalate-isophthalic acid-1,2-propanediol copolymer, reaction products with poly(acrylic acid) and polysiloxane diols 306771-71-1DP, 1,4-Cyclohexanedicarboxylic acid-1,4-cyclohexanedimethanol-diethylene glycol-dimethyl sodium 5-sulfoisophthalate-Li 5-sulfoisophthalate-isophthalic acid-pentaerythritol-1,2-propanediol copolymer, reaction products with poly(acrylic acid) and polysiloxane diols 306773-13-7DP, Silwet 867, reaction products with polyesters and poly(acrylic acid)
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); POF (Polymer in formulation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
IT 26124-25-4, Vinyl acetate-vinyl propionate-N-vinylpyrrolidinone copolymer 72018-12-3, Poly(N-vinylformamide)
RL: BUU (Biological use, unclassified); POF (Polymer in formulation); BIOL (Biological study); USES (Uses)
(mixts. of water-dispersible, silicon-modified comb polymers and physiol. acceptable anionic or amphoteric polymers for use in hair prepns.)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 10 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:368068 HCAPLUS Full-text
DOCUMENT NUMBER: 133:9129
TITLE: Dispersible phospholipid stabilized microparticles
INVENTOR(S): Parikh, Indu; Mishra, Awadhesh K.; Donga, Robert; Vachon, Michael G.
PATENT ASSIGNEE(S): RTP Pharma Inc., USA
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000030616	A1	20000602	WO 1999-US27436	1999 1119
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2349203	A1	20000602	CA 1999-2349203	1999 1119
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EP 1133281	A1	20010919	EP 1999-960498	1999 1119
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BR 9915738	A	20011002	BR 1999-15738	1999 1119
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HU 2001005089	A2	20020529	HU 2001-5089	1999 1119
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HU 2001005089	A3	20020930		
US 20020106403	A1	20020808	US 1999-443863	1999 1119
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EE 200100269	A	20020815	EE 2001-269	1999 1119
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JP 2002530321	T	20020917	JP 2000-583500	1999 1119
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NZ 511792	A	20030829	NZ 1999-511792	1999 1119
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AU 767154	B2	20031030	AU 2000-17375	

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				1119
			<--	
RU 2233654	C2	20040810	RU 2001-116719	
				1999
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CN 1287769	C	20061206	CN 1999-815645	
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NO 2001002467	A	20010718	NO 2001-2467	
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ZA 2001004069	A	20030107	ZA 2001-4069	
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MX 2001004991	A	20030414	MX 2001-4991	
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BG 105573	A	20020131	BG 2001-105573	
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BG 65254	B1	20071031		
HK 1042856	A1	20070727	HK 2002-104730	
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				0625
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US 20030206949	A1	20031106	US 2003-443772	
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				0523
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PRIORITY APPLN. INFO.:			US 1998-109202P	P
				1998
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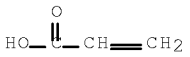
			<--	
			US 1999-443863	A1
				1999
				1119
			<--	
			WO 1999-US27436	W
				1999
				1119
			<--	

ED Entered STN: 04 Jun 2000

AB Rapidly dispersing solid dry therapeutic dosage form comprises a water-insol. compound existing as a nanometer or micrometer particulate solid which is surface stabilized by the presence of at least 1 phospholipid, the particulate solid being dispersed throughout a bulking matrix. When the dosage form is introduced into an aqueous environment the bulking matrix is substantially completely dissolved within <2 min thereby releasing the water insol. particulate solid in an unaggregated and/or unagglomerated state. The matrix is composed of a water-insol. substance or therapeutically useful water-insol. or poorly water-soluble compound, a phospholipid and optionally also at least 1 nonionic, anionic, cationic or amphipathic surfactant, together with a matrix or bulking agent and if needed a release agent. The volume weighted mean particle size of the water insol. particle is ≤5 μm. Thus, a solid dosage form contained Phospholipon 100H 5.6, Tween-80 5.6, fenofibrate 27.8, and mannitol 61.0% by weight

IT 79-10-7D, Acrylic acid, esters, polymers
9003-39-8, PVP
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(dispersible phospholipid stabilized microparticles)

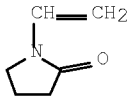
RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (CA INDEX NAME)



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IC ICM A61K009-14
ICS A61K009-19
CC 63-6 (Pharmaceuticals)
IT Surfactants
(anionic; dispersible phospholipid stabilized microparticles)
IT 50-70-4, Sorbitol, biological studies 50-99-7, Dextrose, biological studies 56-81-5, Glycerol, biological studies 57-50-1, Sucrose, biological studies 57-55-6, Propylene glycol, biological studies 63-42-3, Lactose 69-65-8, Mannitol 69-79-4, Maltose 79-10-7D, Acrylic acid, esters, polymers 99-20-7, Trehalose 9003-39-8, PVP 9004-34-6D, Cellulose, derivs., biological studies 9004-54-0, Dextran, biological studies 9004-64-2, Hydroxypropyl cellulose 9004-67-5, Methyl Cellulose 9005-25-8, Starch, biological studies 25322-68-3, Polyethylene glycol 37353-59-6, Hydroxymethyl Cellulose 49562-28-9, Fenofibrate 59865-13-3, Cyclosporine A 84625-61-6, Itraconazole 106392-12-5, Poloxamer 132703-01-6, Phospholipon 100H
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(dispersible phospholipid stabilized microparticles)
OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 11 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:752945 HCAPLUS Full-text
DOCUMENT NUMBER: 131:352874
TITLE: Water-soluble granulate of phthalocyanine compounds, its preparation and use
INVENTOR(S): Kvita, Petr; Dreyer, Pierre
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: Eur. Pat. Appl., 34 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 959123	A1	19991124	EP 1999-810412	1999 0510 <--
EP 959123	B1	20040728		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 272104	T	20040815	AT 1999-810412	1999 0510 <--
ES 2226324	T3	20050316	ES 1999-810412	1999 0510 <--
US 6291412	B1	20010918	US 1999-312228	1999 0514 <--
CN 1236006	A	19991124	CN 1999-108092	1999 0517 <--
CN 1127563	C	20031112		
AU 9929074	A	19991125	AU 1999-29074	1999 0517 <--
AU 756263	B2	20030109		
IN 1999MA00562	A	20061124	IN 1999-MA562	1999 0517 <--
BR 9902091	A	20000118	BR 1999-2091	1999 0518 <--
PRIORITY APPLN. INFO.:			EP 1998-810459 A	1998 0518 <--

OTHER SOURCE(S): MARPAT 131:352874

ED Entered STN: 26 Nov 1999

AB The fast-dissolving granules, useful as photobleaching activators in laundry detergents, comprise (1) a water-soluble phthalocyanine 2-50, (2) an anionic dispersant 10-95, (3) water-soluble organic polymers 0-25, (4) other additives 0-10, and (5) water 3-15 weight%. Thus, 725 g of a 20% aqueous solution of the Na salt of sulfonated Zn phthalocyanine (3-4 SO3Na groups/mol.) was mixed thoroughly with 3010 g 40% aqueous solution of naphthalenesulfonic acid-HCHO condensate for 1 h at 25°, then spray-dried with 195° air to give free-flowing 50-μm granules with residual H2O content 7% and phthalocyanine content 10%.

IT 9003-04-7, Sodium polyacrylate 9003-39-8 25085-34-1 25086-89-9 30581-59-0 54193-36-1, Sodium polymethacrylate 55989-05-4, Ethyl acrylate-methacrylic acid-methyl methacrylate copolymer ammonium salt 102972-64-5, (Dimethylamino)ethyl methacrylate-vinylcaprolactam -N-vinyl-2-pyrrolidinone copolymer 131954-48-8 132230-28-5, N-[3-(Dimethylamino)propyl]methacrylamide-N-vinyl-2-pyrrolidinone copolymer 158830-23-0
RL: MOA (Modifier or additive use); USES (Uses)

(water-soluble granulate of phthalocyanine compds. as detergent additive)

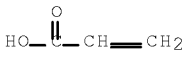
RN 9003-04-7 HCAPLUS
CN 2-Propenoic acid, homopolymer, sodium salt (CA INDEX NAME)

CM 1

CRN 9003-01-4
CMF (C3 H4 O2)x
CCI PMS

CM 2

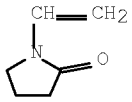
CRN 79-10-7
CMF C3 H4 O2



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

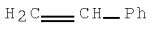
CRN 88-12-0
CMF C6 H9 N O



RN 25085-34-1 HCAPLUS
CN 2-Propenoic acid, polymer with ethenylbenzene (CA INDEX NAME)

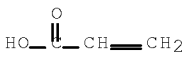
CM 1

CRN 100-42-5
CMF C8 H8



CM 2

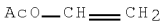
CRN 79-10-7
CMF C3 H4 O2



RN 25086-89-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

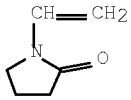
CM 1

CRN 108-05-4
CMF C4 H6 O2



CM 2

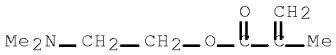
CRN 88-12-0
CMF C6 H9 N O



RN 30581-59-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

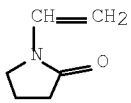
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 88-12-0
CMF C6 H9 N O



RN 54193-36-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, homopolymer, sodium salt (CA INDEX

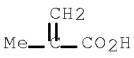
NAME)

CM 1

CRN 25087-26-7
CMF (C4 H6 O2)x
CCI PMS

CM 2

CRN 79-41-4
CMF C4 H6 O2



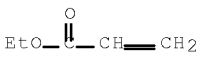
RN 55989-05-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CA INDEX NAME)

CM 1

CRN 25133-97-5
CMF (C5 H8 O2 . C5 H8 O2 . C4 H6 O2)x
CCI PMS

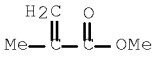
CM 2

CRN 140-88-5
CMF C5 H8 O2



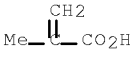
CM 3

CRN 80-62-6
CMF C5 H8 O2



CM 4

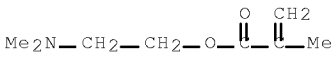
CRN 79-41-4
CMF C4 H6 O2



RN 102972-64-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

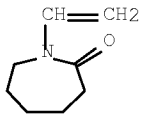
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



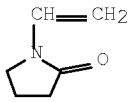
CM 2

CRN 2235-00-9
CMF C8 H13 N O



CM 3

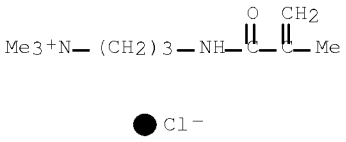
CRN 88-12-0
CMF C6 H9 N O



RN 131954-48-8 HCAPLUS
CN 1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propen-1-yl)amino]-, chloride (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

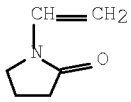
CM 1

CRN 51410-72-1
CMF C10 H21 N2 O . Cl



CM 2

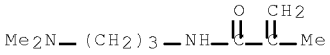
CRN 88-12-0
CMF C6 H9 N O



RN 132230-28-5 HCAPLUS
CN 2-Propenamide, N-[3-(dimethylamino)propyl]-2-methyl-, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

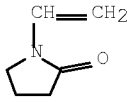
CM 1

CRN 5205-93-6
CMF C9 H18 N2 O



CM 2

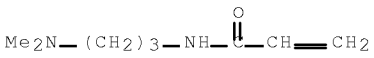
CRN 88-12-0
CMF C6 H9 N O



RN 158830-23-0 HCAPLUS
CN 2-Propenamide, N-[3-(dimethylamino)propyl]-, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

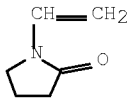
CM 1

CRN 3845-76-9
CMF C8 H16 N2 O



CM 2

CRN 88-12-0
CMF C6 H9 N O



IC ICM C11D003-00
ICS C11D003-39; C11D003-395
CC 46-5 (Surface Active Agents and Detergents)
IT Dispersing agents
(anionic; in water-soluble granulate of phthalocyanine compds. as detergent additive)
IT Drying
(fluidized-bed; in preparation of water-soluble granulate of phthalocyanine compds. as detergent additive)
IT Drying
(spray; in preparation of water-soluble granulate of phthalocyanine compds. as detergent additive)
IT 92-52-4D, Biphenyl, chloromethylated, condensation products with sulfonated naphthalene 5138-18-1D, dialkyl esters, sodium salt 8061-51-6, Sodium ligninsulfonate 9017-33-8, Formaldehyde-naphthalenesulfonic acid copolymer 25155-19-5D, Naphthalenesulfonic acid, alkyl derivs., sodium salt 58226-28-1
RL: MOA (Modifier or additive use); USES (Uses)
(dispersant; water-soluble granulate of phthalocyanine compds. as detergent additive)
IT 110-16-7D, Maleic acid, polymers with unsatd. hydrocarbons, sodium salt 9002-89-5, Poly(vinyl alcohol) 9003-04-7, Sodium polyacrylate 9003-05-8 9003-20-7D, Poly(vinyl acetate), saponified 9003-39-8 9004-32-4 24980-41-4, Polycaprolactone 25085-34-1 25086-89-9 25248-42-4, Polycaprolactone 30581-59-0 37353-59-6, Hydroxymethyl cellulose 54193-36-1, Sodium polymethacrylate 55989-05-4, Ethyl acrylate-methacrylic acid-methyl methacrylate copolymer ammonium salt 102972-64-5, (Dimethylamino)ethyl methacrylate-vinylcaprolactam-N-vinyl-2-pyrrolidinone copolymer 131954-48-8 132230-28-5, N-[3-(Dimethylamino)propyl]methacrylamide-N-vinyl-2-pyrrolidinone copolymer 158830-23-0
RL: MOA (Modifier or additive use); USES (Uses)
(water-soluble granulate of phthalocyanine compds. as detergent additive)
IT 14320-04-8D, Zinc phthalocyanine, sulfonated, sodium salt 84370-49-0D, sulfonated, sodium salt
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(water-soluble granulate of phthalocyanine compds. as detergent additive)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

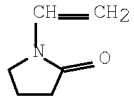
L138 ANSWER 12 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:779503 HCAPLUS Full-text
DOCUMENT NUMBER: 130:83894
TITLE: Water-dispersible lubricants for plastic working of metals
INVENTOR(S): Sakai, Kenji; Goto, Koichi; Aizawa, Yuji
PATENT ASSIGNEE(S): Kyodo Oil and Fats Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10316989	A	19981202	JP 1998-67986	1998 0318
			<--	
PRIORITY APPLN. INFO.:			JP 1997-64031 A	1997 0318
			<--	

ED Entered STN: 14 Dec 1998
AB Water-dispersible lubricants for plastic working of metals are prepared by dispersing (a) inorg. solid lubricant (S) in a base oil (O) containing ≥1 of highly basic alkali and alkaline earth metal salts of organic acids to form an S/O-type dispersion and further dispersing the dispersion in water using surfactants to give S/O/W-type water-dispersible lubricants.
IT 9003-39-8, Polyvinyl pyrrolidone
RL: MOA (Modifier or additive use); USES (Uses)
(water-dispersible lubricants for plastic working of metals)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IC ICM C10M173-00
ICS C10M103-00; C10M103-06; C10M159-20
CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
Section cross-reference(s): 55
ST lubricant water dispersion plastic working metal
IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(animal; water-dispersible lubricants for plastic

working of metals)
IT Surfactants
(anionic; water-dispersible lubricants for plastic working of metals)
IT Carboxylic acids, uses
Sulfonic acids, uses
RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(calcium salts, overbased; water-dispersible lubricants for plastic working of metals)
IT Lubricating oils
Lubricating oils
(metalworking, water-based emulsions; water-dispersible lubricants for plastic working of metals)
IT Surfactants
(nonionic, ethers and esters; water-dispersible lubricants for plastic working of metals)
IT Sulfonic acids, uses
RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(sodium salts, surfactants; water-dispersible lubricants for plastic working of metals)
IT Bentonite, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(surface-treated, solid lubricant; water-dispersible lubricants for plastic working of metals)
IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable; water-dispersible lubricants for plastic working of metals)
IT 4719-04-4, Grotan BK 7779-27-3, Vancide TH
RL: MOA (Modifier or additive use); USES (Uses)
(antiseptics; water-dispersible lubricants for plastic working of metals)
IT 70024-57-6, Trimethylolpropane oleate
RL: TEM (Technical or engineered material use); USES (Uses)
(base oil; water-dispersible lubricants for plastic working of metals)
IT 10043-11-5, Boron nitride, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(solid lubricant; water-dispersible lubricants for plastic working of metals)
IT 471-34-1, Calcium carbonate, uses 12174-53-7, Sericite
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(surface-treated, solid lubricant; water-dispersible lubricants for plastic working of metals)
IT 143-19-1, Sodium oleate 9016-45-9 9062-90-2, Polyethylene glycol sorbitan oleate 218619-62-6
RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(surfactant; water-dispersible lubricants for plastic working of metals)
IT 68-04-2, Sodium citrate 108-30-5D, Succinic anhydride, alkenyl derivs. 9003-39-8, Polyvinyl pyrrolidone 22207-58-5 23311-84-4, Sodium adipate 51305-33-0, Sodium trimellitate 175834-20-5, Bryton C 400 187112-05-6, ADX 410J 187112-34-1, Lubrizol 5341 218903-10-7, Lubrizol 5183A
RL: MOA (Modifier or additive use); USES (Uses)
(water-dispersible lubricants for plastic working of metals)
IT 218903-67-4, Rheolate 350
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(water-dispersible lubricants for plastic working of

metals)
IT 108-95-2D, Phenol, derivs., calcium salts, overbased, uses
RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(water-dispersible lubricants for plastic working of metals)
IT 77-99-6D, Trimethylolpropane, fatty acid esters 115-77-5D, Pentaerythritol, fatty acid esters
RL: TEM (Technical or engineered material use); USES (Uses)
(water-dispersible lubricants for plastic working of metals)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L138 ANSWER 13 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:357037 HCAPLUS Full-text
DOCUMENT NUMBER: 125:41422
ORIGINAL REFERENCE NO.: 125:7873a,7876a
TITLE: Hair preparations containing water-insoluble polyurethanes and water-soluble polymers
INVENTOR(S): Emmerling, Winfried; Hofman, Hans-Peter; Schieferstein, Ludwig
PATENT ASSIGNEE(S): Henkel KGaA, Germany
SOURCE: Ger. Offen., 6 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4438846	A1	19960509	DE 1994-4438846	1994 1102
			<--	
WO 9614049	A1	19960517	WO 1995-EP4160	1995 1024
			<--	
W: CA, CN, CZ, FI, HU, JP, KR, PL, RU, SI, SK, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 789549	A1	19970820	EP 1995-937829	1995 1024
			<--	
EP 789549	B1	20010110		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT, SE				
AT 198543	T	20010115	AT 1995-937829	1995 1024
			<--	
ES 2153501	T3	20010301	ES 1995-937829	1995 1024
			<--	
PT 789549	T	20010430	PT 1995-937829	1995 1024
			<--	
GR 3035400	T3	20010531	GR 2001-400228	2001 0209

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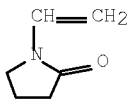
PRIORITY APPLN. INFO.: DE 1994-4438846 A
1994
1102
<--
WO 1995-EP4160 W
1995
1024
<--

ED Entered STN: 20 Jun 1996
AB Water-insol. polyurethanes, as film-forming components in hair prepns., are more readily washed out of the hair if combined with water-soluble polymers. The water-soluble polymer may be nonionic, anionic, amphoteric, or zwitterionic. Thus, a pump spray contained Alberdingk U500 (40% aqueous dispersion of anionic polyether-polyurethane) 10.0, Luviskol VA64 10.0, panthenol 0.1, perfume oil 0.15, Cremophor RH40 0.4, and water to 100 weight parts.
IT 9003-39-8, PVP 25086-89-9, Luviskol VA 64
67016-70-0, Amphomer LV 71
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

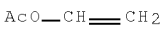
CRN 88-12-0
CMF C6 H9 N O



RN 25086-89-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

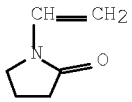
CM 1

CRN 108-05-4
CMF C4 H6 O2



CM 2

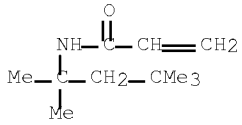
CRN 88-12-0
CMF C6 H9 N O



RN 67016-70-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with 2-hydroxypropyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and N-(1,1,3,3-tetramethylbutyl)-2-propenamide (CA INDEX NAME)

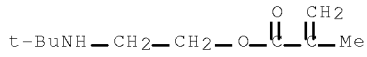
CM 1

CRN 4223-03-4
CMF C11 H21 N O



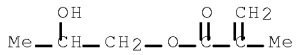
CM 2

CRN 3775-90-4
CMF C10 H19 N O2



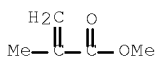
CM 3

CRN 923-26-2
CMF C7 H12 O3



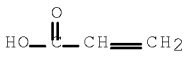
CM 4

CRN 80-62-6
CMF C5 H8 O2



CM 5

CRN 79-10-7
CMF C3 H4 O2



IC ICM A61K007-08
ICS A61K007-11
ICA C08L075-04; C08L039-06
CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 38
ST hair prepn polyurethane Luviskol; polymer water soluble hair prepn; urethane polymer Luviskol hair prepn
IT Hair preparations
(hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT Urethane polymers
RL: BUU (Biological use, unclassified); REM (Removal or disposal); BIOL (Biological study); PROC (Process); USES (Uses)
(hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT Zwitterionic compounds
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(polymers; hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT Polymers
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(water-soluble; hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT Polyelectrolytes
(amphoteric, hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT Polyelectrolytes
(anionic, hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT 557-75-5, Vinyl alcohol, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(esters, polymers with vinylpyrrolidone; hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT 88-12-0D, polymers with vinyl esters 9003-39-8, PVP 25086-89-9, Luviskol VA 64 67016-70-0, Amphomer LV 71
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
IT 177772-07-5, Alberdingk U 500
RL: BUU (Biological use, unclassified); REM (Removal or disposal); BIOL (Biological study); PROC (Process); USES (Uses)
(hair prepns. containing water-insol. polyurethanes and water-soluble polymers)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L138 ANSWER 14 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:307075 HCAPLUS Full-text
DOCUMENT NUMBER: 120:307075
ORIGINAL REFERENCE NO.: 120:53877a,53880a
TITLE: Hair conditioning shampoos containing anionic surfactants and cationic polymers
INVENTOR(S): Reich, Charles; Cheng, Wei Ming; Robbins, Clarence R.; Patel, Amrit
PATENT ASSIGNEE(S): Colgate-Palmolive Co., USA
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9406403	A1	19940331	WO 1993-US8823	19930922 <--
W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SK, UA, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
ZA 9306926	A	19950320	ZA 1993-6926	19930920 <--
AU 9349285	A	19940412	AU 1993-49285	19930922 <--
AU 674340	B2	19961219		
CN 1087513	A	19940608	CN 1993-117882	19930922 <--
EP 661962	A1	19950712	EP 1993-921663	19930922 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				

PRIORITY APPLN. INFO.: US 1992-948517 A 19920922 <--
US 1993-118412 A 19930913 <--
WO 1993-US8823 W 19930922 <--

ED Entered STN: 11 Jun 1994
AB A hair conditioning shampoo in stable emulsion or suspension form comprises (1) 5-40% of ≥1 anionic surfactant, (2) 0.01-5% of a vinyl-type cationic polymer having a hair conditioning effect and a charge d. 150-400, (3) 0.1-10% of ≥1 dispersed water-insol. hair conditioning agent, (4) 0.5-10% of ≥1 dispersing agent to stabilize the emulsion or suspension, and (5) the remainder water. For example, a shampoo contained ammonium lauryl sulfate 7.5, Na deceth-3-sulfate 7.5, cocodiethanolamide 4.0, di-Me siloxanes

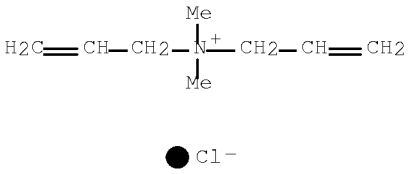
4.0, Polymer JR-400 0.3, guar hydroxypropyltrimonium chloride 0.7, distearyldimonium chloride 0.5, C20-40 alc. 3.0, NaH2PO4 0.2, perfumes 0.6, preservatives 0.5, Na cumene sulfonate 1.5, and water to 100%.

IT 25136-75-8, Acrylic acid-acrylamide-diallyldimethylammonium chloride copolymer
95144-24-4
RL: BIOL (Biological study)
(conditioning shampoos containing)

RN 25136-75-8 HCAPLUS
CN 2-Propen-1-aminium, N,N-dimethyl-N-2-propen-1-yl-, chloride (1:1), polymer with 2-propenamide and 2-propenoic acid (CA INDEX NAME)

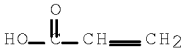
CM 1

CRN 7398-69-8
CMF C8 H16 N . Cl



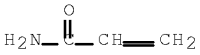
CM 2

CRN 79-10-7
CMF C3 H4 O2



CM 3

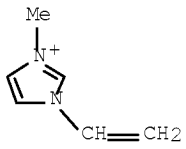
CRN 79-06-1
CMF C3 H5 N O



RN 95144-24-4 HCAPLUS
CN 1H-Imidazolium, 1-ethenyl-3-methyl-, chloride (1:1), polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

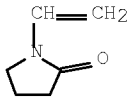
CM 1

CRN 13474-25-4
CMF C6 H9 N2 . Cl



CM 2

CRN 88-12-0
CMF C6 H9 N O



IC ICM A61K007-06
ICS A61K007-50
CC 62-3 (Essential Oils and Cosmetics)
IT Shampoos
(conditioning, anionic surfactants and cationic polymers and conditioning agents and dispersing agents in)
IT 25136-75-8, Acrylic acid-acrylamide-diallyldimethylammonium chloride copolymer
26590-05-6, Acrylamide-dimethyldiallyl ammonium chloride copolymer
95144-24-4
RL: BIOL (Biological study)
(conditioning shampoos containing)
OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L138 ANSWER 15 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:137317 HCAPLUS Full-text
DOCUMENT NUMBER: 120:137317
ORIGINAL REFERENCE NO.: 120:24161a,24164a
TITLE: Water-thinned anionic pigment dispersions
INVENTOR(S): Tsunoda, Minoru; Harakawa, Hiromi; Inoe, Yutaka
PATENT ASSIGNEE(S): Kansai Paint Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 05222335 A 19930831 JP 1992-59584
1992
0213
<--
JP 3061926 B2 20000710
PRIORITY APPLN. INFO.: JP 1992-59584
1992
0213
<--

ED Entered STN: 19 Mar 1994

AB The title dispersions, showing good storage stability and giving glossy coatings, comprise pigments and anionic dispersants prepared by polymerizing vinyl monomers containing carboxy, basic, polyoxyalkylene, and C≥8 alkyl groups, neutralizing, and mixing with water. A mixture of 2-ethylhexyl methacrylate 20, N-vinylpyrrolidone 15, acrylic acid 6, H2C:CMeCO2C2H4O(COC5H10O)6H 25, Blemmer AE 350 10, Me methacrylate 10, styrene 16, and AIBN 2 parts was added dropwise to 100 parts butyl Cellosolve at 120°, heated at 120° with addition of AIBN, and neutralized with triethanolamine to give a 15% aqueous copolymer (I) solution An aqueous dispersion containing 10 parts I and 100 parts R 602 (TiO2), showing good storage stability, was mixed (220 parts) with 100 parts clear coat composition, coated on glass, and heated at 140° to give a coating with gloss 93.7%.

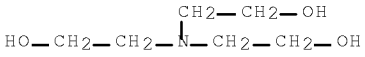
IT 153314-57-9P
RL: PREP (Preparation)
(preparation of, as dispersants for pigments, for glossy coatings)

RN 153314-57-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 1-ethenyl-2-pyrrolidinone, α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), α-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-ω-hydroxypoly[oxy(1-oxo-1,6-hexanediyl)] and 2-propenoic acid, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 102-71-6
CMF C6 H15 N O3

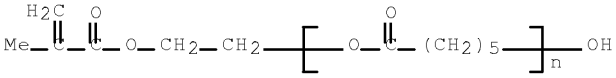


CM 2

CRN 153314-56-8
CMF (C8 H8 . (C6 H10 O2)n C6 H10 O3 . C6 H9 N O . C5 H8 O2 . C3 H4 O2 . (C2 H4 O)n C4 H6 O2)x
CCI PMS

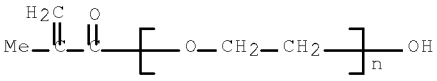
CM 3

CRN 81984-60-3
CMF (C6 H10 O2)n C6 H10 O3
CCI PMS



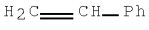
CM 4

CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



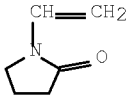
CM 5

CRN 100-42-5
CMF C8 H8



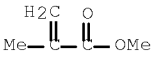
CM 6

CRN 88-12-0
CMF C6 H9 N O



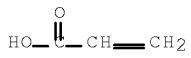
CM 7

CRN 80-62-6
CMF C5 H8 O2



CM 8

CRN 79-10-7
CMF C3 H4 O2



IC ICM C09D133-02
ICS C09C003-10; C09D017-00; C09D139-00
CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 35, 46
IT Dispersing agents
(anionic, acrylic polymers, for pigments, for glossy coatings)
IT Coating materials
(glossy, storage-stable, aqueous dispersions, containing pigments and anionic acrylic polymer dispersants)
IT 153314-57-9P
RL: PREP (Preparation)
(preparation of, as dispersants for pigments, for glossy coatings)

L138 ANSWER 16 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:107781 HCAPLUS Full-text
DOCUMENT NUMBER: 116:107781
ORIGINAL REFERENCE NO.: 116:18255a,18258a
TITLE: Microencapsulation of hydrophobic materials with aminoplasts
INVENTOR(S): Masuda, Toshiaki; Fujie, Koji
PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

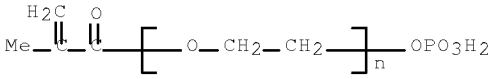
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03238038	A	19911023	JP 1990-34774	19900215
			<--	

PRIORITY APPLN. INFO.: JP 1990-34774 19900215
<--

ED Entered STN: 20 Mar 1992
AB The title process can be carried out without agglomeration, thickening, or foaming, in the presence of anionic polyelectrolytes comprising vinylpyrrolidone (I), α,β-ethylenically unsatd. carboxylic acids, and phosphoric acid group-containing monomers and/or sulfo group-containing monomers. I 20, acrylic acid 60, and Phosmer PE 20 parts were polymerized in the presence of K2S2O8 in water, and the polymerization mixture adjusted to pH 4.5 with 20% aqueous NaOH to give a 20%-solids anionic polyelectrolyte solution A jasmine perfume was emulsified in water using the above polyelectrolyte solution and microencapsulated by melamine resin.
IT 139163-03-4P 139163-04-5P
RL: PREP (Preparation)
(manufacture of, for dispersants for hydrophobic materials for microencapsulation)
RN 139163-03-4 HCAPLUS
CN 2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone and α-(2-methyl-1-oxo-2-propenyl)-ω-(phosphonooxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

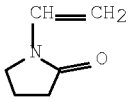
CM 1

CRN 35705-94-3
CMF (C2 H4 O)n C4 H7 O5 P
CCI PMS



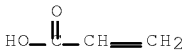
CM 2

CRN 88-12-0
CMF C6 H9 N O



CM 3

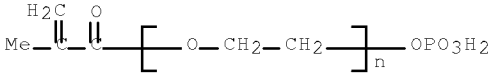
CRN 79-10-7
CMF C3 H4 O2



RN 139163-04-5 HCAPLUS
CN 2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and α-(2-methyl-1-oxo-2-propenyl)-ω-(phosphonooxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

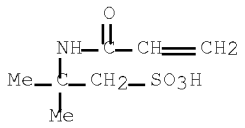
CM 1

CRN 35705-94-3
CMF (C2 H4 O)n C4 H7 O5 P
CCI PMS



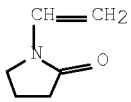
CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



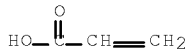
CM 3

CRN 88-12-0
CMF C6 H9 N O



CM 4

CRN 79-10-7
CMF C3 H4 O2



IC ICM B01J013-18
CC 38-2 (Plastics Fabrication and Uses)
Section cross-reference(s): 62
ST perfume microencapsulation aminoplast; melamine resin microencapsulation perfume; anionic polyelectrolyte dispersant perfume; vinylpyrrolidone copolymer anionic polyelectrolyte; acrylic acid copolymer anionic polyelectrolyte; polyethylene glycol phosphate acrylate copolymer; dispersant anionic polyelectrolyte
IT Dispersing agents
(anionic polyelectrolytes, for hydrophobic perfumes)
IT Epoxy resins, miscellaneous
RL: MSC (Miscellaneous)
(microencapsulation of liquid, with aminoplasts, anionic polyelectrolyte dispersants in)
IT Polyelectrolytes
(anionic, dispersants, in microencapsulation of hydrophobic materials with aminoplasts)
IT 58206-31-8, Scripset 520
RL: USES (Uses)
(dispersants containing anionic polyelectrolytes and, for hydrophobic materials for microencapsulation by aminoplasts)
IT 139163-03-4P 139163-04-5P

RL: PREP (Preparation)
(manufacture of, for dispersants for hydrophobic materials for microencapsulation)

IT 9003-08-1 9011-05-6
RL: USES (Uses)
(microencapsulation by, of hydrophobic materials, anionic polyelectrolyte dispersants in)

IT 1249-97-4 1552-42-7, Crystal Violet Lactone 25068-38-6, Epikote 828
RL: PROC (Process)
(microencapsulation of, by aminoplasts, anionic polyelectrolyte dispersants in)

L138 ANSWER 17 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1985:473673 HCAPLUS Full-text
DOCUMENT NUMBER: 103:73673
ORIGINAL REFERENCE NO.: 103:11843a,11846a
TITLE: Dispersants for soluble metalworking oils
PATENT ASSIGNEE(S): Kao Corp., Japan; Nippon Kokan K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59232186	A	19841226	JP 1983-108379	1983 0616
			<--	
PRIORITY APPLN. INFO.:			JP 1983-108379	1983 0616
			<--	

ED Entered STN: 07 Sep 1985
AB Water-soluble lubricant additives for indirect rolling emulsions to be dispersed into cooling water or a lubricant are cationic, basic-N-containing cationic or amphoteric water-soluble polymers or anionic water-soluble polymers containing carboxylic or sulfonic acids. Thus, a lubricating mixture is manufactured by mixing Number 30 motor oil 94.9, poly(diethylaminomethyl methacrylate) phosphate [95243-19-9] 1.0, polyisobutylene [9003-27-4] 5.0, and N-alkyltrimethylenediamine dioleate 0.1 weight part.

IT 9003-04-7 60472-42-6 91365-62-7
91365-66-1 91379-98-5 91380-05-1
91380-06-2 91387-89-2
RL: USES (Uses)
(water-soluble dispersants, for metal rolling lubricants)

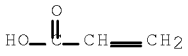
RN 9003-04-7 HCAPLUS
CN 2-Propenoic acid, homopolymer, sodium salt (CA INDEX NAME)

CM 1

CRN 9003-01-4
CMF (C3 H4 O2)x
CCI PMS

CM 2

CRN 79-10-7
CMF C3 H4 O2



RN 60472-42-6 HCAPLUS
CN 2-Butenedioic acid (2Z)-, polymer with 2-propenoic acid, sodium salt (CA INDEX NAME)

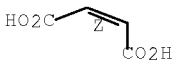
CM 1

CRN 29132-58-9
CMF (C4 H4 O4 . C3 H4 O2)x
CCI PMS

CM 2

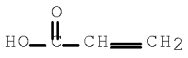
CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



CM 3

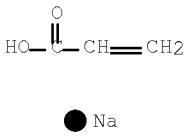
CRN 79-10-7
CMF C3 H4 O2



RN 91365-62-7 HCAPLUS
CN Pyridinium, ethenyl-1-methyl-, methyl sulfate, polymer with 1-ethenyl-2-pyrrolidinone and sodium 2-propenoate (9CI) (CA INDEX NAME)

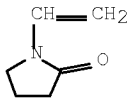
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 88-12-0
CMF C6 H9 N O

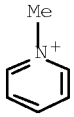


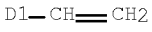
CM 3

CRN 91365-61-6
CMF C8 H10 N . C H3 O4 S

CM 4

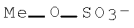
CRN 56816-73-0
CMF C8 H10 N
CCI IDS





CM 5

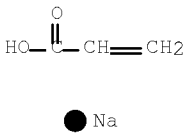
CRN 21228-90-0
CMF C H3 O4 S



RN 91365-66-1 HCAPLUS
CN 2-Propenoic acid, sodium salt, polymer with ethenylpyridine phosphate and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

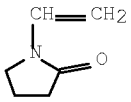
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 88-12-0
CMF C6 H9 N O

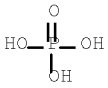


CM 3

CRN 91365-65-0
CMF C7 H7 N . x H3 O4 P

CM 4

CRN 7664-38-2
CMF H3 O4 P



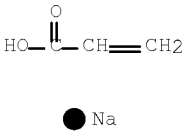
CM 5

CRN 1337-81-1
CMF C7 H7 N
CCI IDS

RN 91379-98-5 HCAPLUS
CN 2-Propenoic acid, sodium salt, polymer with ethenylpyridine sulfate and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

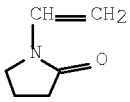
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 88-12-0
CMF C6 H9 N O

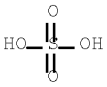


CM 3

CRN 91379-97-4
CMF C7 H7 N . x H2 O4 S

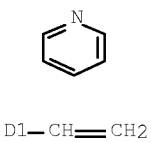
CM 4

CRN 7664-93-9
CMF H2 O4 S



CM 5

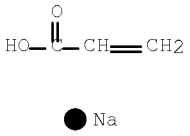
CRN 1337-81-1
CMF C7 H7 N
CCI IDS



RN 91380-05-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, compd. with boric acid (H3BO3), polymer with 1-ethenyl-2-pyrrolidinone and sodium 2-propenoate (9CI) (CA INDEX NAME)

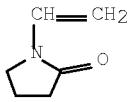
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 88-12-0
CMF C6 H9 N O

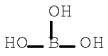


CM 3

CRN 91380-04-0
CMF C10 H19 N O2 . x B H3 O3

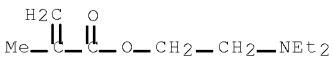
CM 4

CRN 10043-35-3
CMF B H3 O3



CM 5

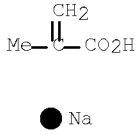
CRN 105-16-8
CMF C10 H19 N O2



RN 91380-06-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, phosphate, polymer with sodium 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 5536-61-8
CMF C4 H6 O2 . Na

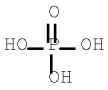


CM 2

CRN 14480-03-6
CMF C10 H19 N O2 . x H3 O4 P

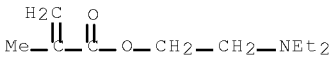
CM 3

CRN 7664-38-2
CMF H3 O4 P



CM 4

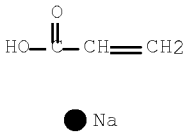
CRN 105-16-8
CMF C10 H19 N O2



RN 91387-89-2 HCAPLUS
CN 2-Propenoic acid, sodium salt, polymer with N-[2-(diethylamino)ethyl]-2-methyl-2-propenamide phosphate and sodium ethenesulfonate (9CI) (CA INDEX NAME)

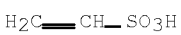
CM 1

CRN 7446-81-3
CMF C3 H4 O2 . Na



CM 2

CRN 3039-83-6
CMF C2 H4 O3 S . Na

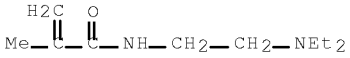


CM 3

CRN 91387-88-1
CMF C10 H20 N2 O . x H3 O4 P

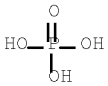
CM 4

CRN 13173-42-7
CMF C10 H20 N2 O



CM 5

CRN 7664-38-2
CMF H3 O4 P



IC ICM C10M001-06
ICS B21B045-02; C10M001-28; C10M001-32; C10M001-40
CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
Section cross-reference(s): 38
ST lubricant rolling dispersant indirect; cationic polymer dispersant rolling lubricant; anionic polymer dispersant rolling lubricant; amphoteric polymer dispersant rolling lubricant; nitrogen compd

cationic dispersant lubricant
IT Fatty acids, polymers
RL: USES (Uses)
(dimers, polymers with diethylenetriamine salts, water-soluble dispersants, for metal rolling lubricants)
IT Polyelectrolytes
(dispersants, for metal cold-rolling lubricants)
IT Dispersing agents
(water-soluble polymer salts, for metal rolling lubricants)
IT Lubricating oil additives
(dispersants, rolling, water-soluble polymer salts)
IT 9003-04-7 9004-34-6D, cationic ammonium derivs.
26658-46-8 41209-96-5 43134-20-9 52501-07-2 55141-01-0
57578-39-9D, polymers with dimer acids 60472-42-6
83446-68-8 91365-62-7 91365-66-1
91379-82-7D, polymers with dimer acids 91379-98-5
91380-05-1 91380-06-2 91380-14-2
91380-15-3 91387-89-2 96397-70-5 97521-20-5
97696-03-2 97696-04-3 97709-59-6
RL: USES (Uses)
(water-soluble dispersants, for metal rolling lubricants)
IT 95243-19-9
RL: USES (Uses)
(water-soluble dispersants, for rolling emulsion lubricants)

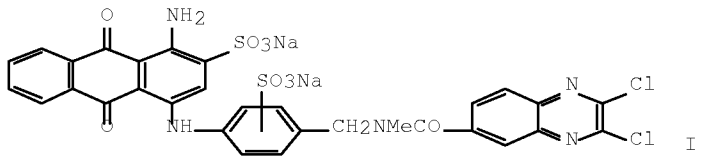
L138 ANSWER 18 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1984:35784 HCAPLUS Full-text
DOCUMENT NUMBER: 100:35784
ORIGINAL REFERENCE NO.: 100:5551a,5554a
TITLE: Concentrated liquid compositions of cold-dyeing fiber-reactive dyes
INVENTOR(S): Hoguet, Robert G.; Kalz, Dietmar; Thomas, Thomas J.; Whetsell, Henry T.; Wolff, Joachim; Nonn, Konrad; Wolf, Karlheinz
PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.; Mobay Chemical Corp.
SOURCE: Eur. Pat. Appl., 34 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 92119	A2	19831026	EP 1983-103418 <--	19830408
EP 92119	A3	19841107		
R: CH, DE, FR, GB, LI				
US 4435181	A	19840306	US 1982-370426 <--	19820421
JP 58187460	A	19831101	JP 1983-65768 <--	19830415
BR 8302071	A	19831227	BR 1983-2071	19830420

			<--	
CA 1205253	A1	19860603	CA 1983-443149	1983 1213
			<--	
PRIORITY APPLN. INFO.:			US 1982-370426	A 1982 0421
			<--	

OTHER SOURCE(S): MARPAT 100:35784
ED Entered STN: 12 May 1984

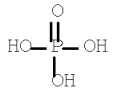
GI



I

AB Storage-stable, aqueous cold-dyeing reactive dye compns. are prepared which contain 10-50 weight% dye(s) with a fiber-reactive haloheterocyclic group and particle size <100 μ, sufficient anionic dispersant or polymeric N-vinyl lactam dispersant to prevent agglomeration or settling out of dye particles, and sufficient electrolyte to inhibit hydrolysis of the reactive group during temperature cycles ranging from 20° to 50°. A typical composition, stable for 3 wk during temperature cycles of 16 h at 20° and 8 h at 50°, contained dye I [78246-64-7] 31.5, lignosulfonate dispersant 3.0, NaCl 15.0, KH2PO4 0.2, K2HPO4 0.2, and H2O 50.0%.

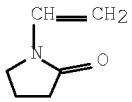
IT 7758-11-4
RL: USES (Uses)
(buffers, concentrated aqueous fiber-reactive dye compns. containing, storage-stable)
RN 7758-11-4 HCAPLUS
CN Phosphoric acid, potassium salt (1:2) (CA INDEX NAME)



IT 9003-39-8
RL: USES (Uses)
(dispersing agents, concentrated aqueous fiber-reactive dye compns. containing, storage-stable)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



IT 7647-14-5, uses and miscellaneous
RL: USES (Uses)
(fiber-reactive dye compns. containing, concentrated aqueous, hydrolysis-resistant)
RN 7647-14-5 HCAPLUS
CN Sodium chloride (NaCl) (CA INDEX NAME)

IC C09B067-26; D06P001-38
CC 40-6 (Textiles)
Section cross-reference(s): 41
IT 7758-11-4 7778-77-0
RL: USES (Uses)
(buffers, concentrated aqueous fiber-reactive dye compns. containing, storage-stable)
IT 8062-15-5D, alkali metal salts 9003-39-8
28299-41-4D, sulfonated, reaction products with formaldehyde
RL: USES (Uses)
(dispersing agents, concentrated aqueous fiber-reactive dye compns. containing, storage-stable)
IT 7647-14-5, uses and miscellaneous
RL: USES (Uses)
(fiber-reactive dye compns. containing, concentrated aqueous, hydrolysis-resistant)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L138 ANSWER 19 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1980:473673 HCAPLUS Full-text
DOCUMENT NUMBER: 93:73673
ORIGINAL REFERENCE NO.: 93:11971a,11974a
TITLE: Aqueous dye preparations of water-insoluble to slightly soluble dyes
INVENTOR(S): Becker, Carl
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 7604	A1	19800206	EP 1979-102591	19790723
			<--	
EP 7604	B1	19810819		
R: CH, DE, FR, GB, IT				
US 4265631	A	19810505	US 1979-60425	

1979
0725
<--
JP 55023194 A 19800219 JP 1979-98159
1979
0802
<--
JP 63031516 B 19880624
PRIORITY APPLN. INFO.: CH 1978-8238 A
1978
0802
<--

ED Entered STN: 12 May 1984

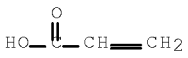
AB Storage-stable, concentrated aqueous pastes or suspensions eventually free of destabilizing electrolytes, e.g. anionic dispersants, contain ≥10% H2O, 25-60% finely dispersed water-insol. dye or fluorescent whitener, 0.1-5% water-soluble aminoplast precondensate(s), 0.5-5% nonionic ethylene oxide (I)-olefin oxide copolymer (>65% I, mol. weight >12,000), and optionally nonionic additives. Thus, a mixture of electrolyte-free 1-amino-4-anilino-2-cyanoanthraquinone 450, 80:20 I-propylene oxide copolymer [9003-11-6] (mol. weight 16,500) 30, 67% aqueous solution of methylated melamine-formaldehyde precondensate [9003-08-1] 30, H2O 300, propylene glycol 170, and HCHO (preservative) 20 parts was milled to particle size <50 μ and mixed with 0.1% xanthan gum [11138-66-2] to give a 45% dye preparation which remained fluid and filterable and showed very little change in viscosity or degree of dispersity after several wk. at 60° or several mo. at room temperature

IT 9003-01-4 26124-21-0
RL: USES (Uses)
(thickening agents, for aqueous disperse dye preparation, nonionic dispersing agents compatible with)

RN 9003-01-4 HCAPLUS
CN 2-Propenoic acid, homopolymer (CA INDEX NAME)

CM 1

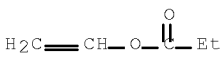
CRN 79-10-7
CMF C3 H4 O2



RN 26124-21-0 HCAPLUS
CN Propanoic acid, ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

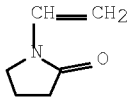
CM 1

CRN 105-38-4
CMF C5 H8 O2



CM 2

CRN 88-12-0
CMF C6 H9 N O



IC C09B067-46; D06P001-16; D06P005-00; D06P001-52
CC 39-7 (Textiles)
IT Inks
(aqueous disperse dye preps. for, storage-stable)
IT 9003-11-6
RL: USES (Uses)
(dispersing agents, containing aminoplast precondensate, aqueous dye preps. containing, storage-stable)
IT 9003-08-1 9011-05-6 25036-13-9 27013-01-0 28931-47-7
31135-89-4 53037-34-6 74464-09-8 74464-11-2
RL: USES (Uses)
(dispersing agents, containing ethylene oxide-propylene oxide copolymer, aqueous dye preparation containing, storage-stable)
IT 88-12-0D, copolymers 9003-01-4 9004-64-2 9005-38-3
26124-21-0
RL: USES (Uses)
(thickening agents, for aqueous disperse dye preparation, nonionic dispersing agents compatible with)
IT 11138-66-2
RL: USES (Uses)
(thickening agents, for aqueous disperse dye preps., nonionic dispersing agents compatible with)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L138 ANSWER 20 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1977:197848 HCAPLUS Full-text
DOCUMENT NUMBER: 86:197848
ORIGINAL REFERENCE NO.: 86:30949a,30952a
TITLE: Color dispersions in synthetic polymeric vehicles
AUTHOR(S): Mowrey, Rowland G.; Sutton, Richard C.; Klein, Gerald W.
CORPORATE SOURCE: UK
SOURCE: Research Disclosure (1976), 151, 42-3 (No. 15131)
CODEN: RSDSBB; ISSN: 0374-4353
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 151031		19761110	RD 1976-151031	19761110
			<--	
PRIORITY APPLN. INFO.:			RD 1976-151031	19761110
			<--	

ED Entered STN: 12 May 1984
AB Coupler dispersions prepared with anionic terpolymers consisting of anionic moiety, a crosslinkable moiety, and a diluent moiety provide improved properties when incorporated in Ag halide materials adapted for conventional color processing or redox

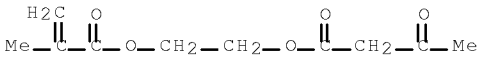
amplification color processing. Thus, to a coarse grain gelatin-Ag halide emulsion was added a coupler dispersion prepared by dissolving a yellow dye-forming coupler 6 g in di-Bu phthalate 1.5 and EtOAc 12 g and then dispersing in a 10% solution of 2-acetoacetoxyethyl methacrylate-N-isopropylacrylamide-Na 3-methacryloyloxypropane-1-sulfonate polymer (14.5:54:31.5) 60 g containing Na triisopropylnaphthalenesulfonate 0.6 ml. The resulting emulsion was then coated on a polyethylene-coated paper supporot at Ag 15, coupler 100, coupler vehicle 100, and make-up vehicle 150 mg/ft2. The element was then sensitometrically exposed and developed for 3.5 min to show a γ of 3.1, a Dmin of 0.15, and a Dmax of 2.02 vs. 2.8, 0.12, and 1.90, resp., for a control containing gelatin as the vehicle.

IT 62627-96-7 62627-98-9
RL: USES (Uses)
(in photog. color coupler dispersion preparation)

RN 62627-96-7 HCAPLUS
CN Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with N-(1-methylethyl)-2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

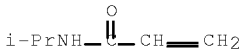
CM 1

CRN 21282-97-3
CMF C10 H14 O5



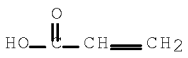
CM 2

CRN 2210-25-5
CMF C6 H11 N O



CM 3

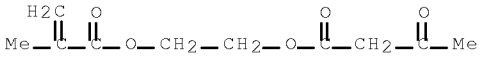
CRN 79-10-7
CMF C3 H4 O2



RN 62627-98-9 HCAPLUS
CN Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 3-sulfopropyl 2-methyl-2-propenoate sodium salt (9CI) (CA INDEX NAME)

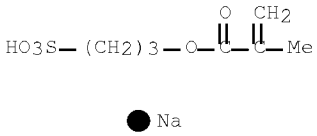
CM 1

CRN 21282-97-3
CMF C10 H14 O5



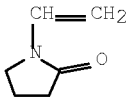
CM 2

CRN 10548-16-0
CMF C7 H12 O5 S . Na



CM 3

CRN 88-12-0
CMF C6 H9 N O



CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic Processes)
ST acrylic polymer photog coupler dispersion; anionic polymer photog coupler dispersion
IT Acrylic polymers, uses and miscellaneous
RL: USES (Uses)
(in photog. color coupler dispersion preparation)
IT Photographic couplers
(preparation of dispersions of, anionic terpolymers in)
IT 53934-20-6 54617-51-5 62627-96-7 62627-97-8 62627-98-9 62627-99-0
RL: USES (Uses)
(in photog. color coupler dispersion preparation)

L138 ANSWER 21 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1975:113134 HCAPLUS Full-text
DOCUMENT NUMBER: 82:113134
ORIGINAL REFERENCE NO.: 82:18083a,18086a
TITLE: Fluorescent whitening and shrinkproofing of cellulosic fiber products
INVENTOR(S): Nishikubo, Toshiki; Arima, Yasunori; Ichikawa, Michio
PATENT ASSIGNEE(S): Kanebo, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

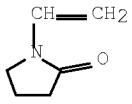
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49093677	A	19740905	JP 1973-7152	1973 0116 <--
JP 52039476	B	19771005		

PRIORITY APPLN. INFO.: JP 1973-7152 A 1973 0116 <--

ED Entered STN: 12 May 1984
AB Fluorescent whitening and resin treatment (shrinkproofing) of cellulosic fiber products, such as cotton textiles, are processed in one step by treating the textiles with an aqueous dispersion containing an anionic fluorescent dye, poly(vinylpyrrolidone) (I) [9003-39-8], an acidic metal salt, and a resin. Thus, a cotton textile was dipped in a bath containing Hakkol BK Konk [54650-78-1] (an anionic fluorescent whitening agent) 0.2, I (mol. weight 40,000) 0.2, dimethyloldihydroxyethyleneurea [1854-26-8] 5, and MgCl2 0.5%, squeezed (70% pickup), dried 5 min at 100°, heated 3 min at 150°, washed with soap water, and dried to give a white, shrinkproof textile.
IT 9003-39-8
RL: USES (Uses)
(in fluorescent brightening-shrinkproofing of cellulosic textiles, in single step)
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



INCL 48B04; 48D71
CC 39-10 (Textiles)
IT 9003-39-8
RL: USES (Uses)
(in fluorescent brightening-shrinkproofing of cellulosic textiles, in single step)

L138 ANSWER 22 OF 22 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1971:23350 HCAPLUS Full-text
DOCUMENT NUMBER: 74:23350
ORIGINAL REFERENCE NO.: 74:3785a,3788a
TITLE: Thermoplastic alloys of finely divided polylactams polymerized with alkaline catalyst and cocatalyst in a high molecular weight olefinic polymer matrix
INVENTOR(S): Hill, Robert William; Anderson, Raymond P.; Scroggins, Stanley V.
PATENT ASSIGNEE(S): Gulf Research and Development Co.
SOURCE: U.S., 3 pp.

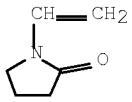
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3539662	A	19701110	US 1968-744333	1968 0712 <--
NL 6910722	A	19700114	NL 1969-10722	1969 0711 <--
PRIORITY APPLN. INFO.:			US 1968-744333 A	1968 0712 <--

ED Entered STN: 12 May 1984
AB Thermoplastic polymer alloys are prepared by dispersing a lactam in a matrix of a high-mol.-weight polyethylene or ethylene copolymer and then adding an alkaline catalyst and cocatalyst to polymerize the lactam. Thus, caprolactam and a small amount of polyethylene glycol (as a dispersion aid) was mixed with an ethylene-vinylpyrrolidinone copolymer in a Brabender Plasti-Corder, under N. N-Acetylcaprolactam and PhMgBr in ether were added and the lactam was polymerized for 25 min. The alloy obtained showed strong absorption bands characteristic of nylon 6. The alloys were useful for molding, extrusion, or coating applications. Addnl. suitable copolymers included ethylene-vinyl acetate copolymers, ethylene-lower alkyl methacrylate copolymers, and ethylene-lower alkyl acrylate copolymers. Pyrogenic colloidal silica, dodecyltrimethylammonium chloride, and ethylene-acrylic acid copolymers were also effective dispersing aids.
IT 25067-33-8P, uses and miscellaneous
RL: PREP (Preparation)
(caprolactam polymers dispersed in, manufacture of)
RN 25067-33-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, polymer with ethene (CA INDEX NAME)

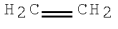
CM 1

CRN 88-12-0
CMF C6 H9 N O



CM 2

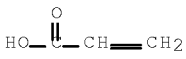
CRN 74-85-1
CMF C2 H4



IT 9010-77-9, uses and miscellaneous
RL: USES (Uses)
(dispersing agents, for caprolactam in ethylene copolymers)
RN 9010-77-9 HCAPLUS
CN 2-Propenoic acid, polymer with ethene (CA INDEX NAME)

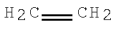
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

CRN 74-85-1
CMF C2 H4



IC C08G041-04A
INCL 260857000
CC 36 (Plastics Manufacture and Processing)
ST alloy polycaprolactam ethylene copolymer; polycaprolactam ethylene copolymer alloy; ethylene copolymer polycaprolactam alloy; molding nylon polyethylene alloy; nylon polyethylene alloy molding; coating polyolefin polylactam alloy; polyolefin polylactam alloy coating; polylactam polyolefin alloy coating
IT Polymerization catalysts
(acetylcaprolactam-phenylmagnesium bromide, for caprolactam dispersed in ethylene copolymers)
IT Polymerization
(anionic, of caprolactam dispersed in ethylene copolymers)
IT Polyamides, preparation
RL: PREP (Preparation)
(dispersions in ethylene copolymers)
IT Dispersing agents
(for caprolactam in ethylene copolymers)
IT 25067-33-8P, uses and miscellaneous
RL: PREP (Preparation)
(caprolactam polymers dispersed in, manufacture of)
IT 100-58-3 1888-91-1
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for polymerization of caprolactam in ethylene copolymers)
IT 9010-77-9, uses and miscellaneous 25322-68-3
RL: USES (Uses)
(dispersing agents, for caprolactam in ethylene copolymers)
IT 25038-54-4P
RL: PREP (Preparation)

(manufacture of, dispersed in ethylene copolymers)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

FULL SEARCH HISTORY

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=> d his nofile

     (FILE 'HOME' ENTERED AT 09:16:55 ON 28 AUG 2009)

     FILE 'HCAPLUS' ENTERED AT 09:17:08 ON 28 AUG 2009
                E US20070154438/PN
L1            1 SEA SPE=ON  ABB=ON  PLU=ON  US20070154438/PN
                D ALL
                D SCA
                SEL RN

     FILE 'REGISTRY' ENTERED AT 09:17:42 ON 28 AUG 2009
L2            6 SEA SPE=ON  ABB=ON  PLU=ON  (134367-40-1/BI OR
                28133-65-5/BI OR 2997-92-4/BI OR 6132-04-3/BI OR
                7757-82-6/BI OR 9003-39-8/BI)
                D SCA

     FILE 'LREGISTRY' ENTERED AT 09:18:44 ON 28 AUG 2009
L3              STR

     FILE 'REGISTRY' ENTERED AT 09:32:48 ON 28 AUG 2009
L4           50 SEA SSS SAM L3
L5              SCR 2043
L6           50 SEA SSS SAM L3 AND L5
                D QUE STAT L4
                D QUE STAT L6
L7        10986 SEA SSS FUL L3 AND L5
                SAV TEMP L7 PEZ654REG/A
L8           61 SEA SPE=ON  ABB=ON  PLU=ON  L7 AND 1/NC

     FILE 'HCAPLUS' ENTERED AT 09:39:21 ON 28 AUG 2009
                D SCA L1
L9        56482 SEA SPE=ON  ABB=ON  PLU=ON  L7
L10             QUE SPE=ON  ABB=ON  PLU=ON  SALT OR ELECTROLYT?
L11             QUE SPE=ON  ABB=ON  PLU=ON  SUSPEN? OR DISPERS? OR
                COLLOID? OR EMULS? OR MICROEMULS? OR SLURR?
L12        3337 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L10 AND L11
L13       56173 SEA SPE=ON  ABB=ON  PLU=ON  DISPERS?(2A)(POLYMERI? OR
                ANION? OR AGENT)
L14         501 SEA SPE=ON  ABB=ON  PLU=ON  L12 AND L13
                D SCA L1
                E "DISPERSING AGENTS"/CT
                E E3+ALL
L15             QUE SPE=ON  ABB=ON  PLU=ON  "DISPERSING AGENTS"/CT
                E "DISPERSE SYSTEMS"/CT
                E E3+ALL
L16             QUE SPE=ON  ABB=ON  PLU=ON  "DISPERSE SYSTEMS"/CT
                E "SALTS, USES"/CT
                E E3+ALL
L17             QUE SPE=ON  ABB=ON  PLU=ON  "SALTS, USES"/CT
L18           9 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND (L15 OR L16) AND
                L17
                D SCA
L19         502 SEA SPE=ON  ABB=ON  PLU=ON  L14 OR L18

     FILE 'REGISTRY' ENTERED AT 09:49:24 ON 28 AUG 2009
                D SCA L2
L20           3 SEA SPE=ON  ABB=ON  PLU=ON  L2 AND ?SALT?/CNS
                D SCA
                E E SODIUM SULFATE/CN
                E SODIUM SULFATE/CN
L21           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM SULFATE/CN
                E POTASSIUM SULFATE/CN
L22           1 SEA SPE=ON  ABB=ON  PLU=ON  POTASSIUM SULFATE/CN
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                E AMMONIUM SULFATE/CN
L23           1 SEA SPE=ON  ABB=ON  PLU=ON  AMMONIUM SULFATE/CN
                E MAGNESIUM SULFATE/CN
L24           1 SEA SPE=ON  ABB=ON  PLU=ON  MAGNESIUM SULFATE/CN
                E ALUMINUM SULFATE/CN
L25           1 SEA SPE=ON  ABB=ON  PLU=ON  ALUMINUM SULFATE/CN
                E SODIUM CHLORIDE/CN
L26           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM CHLORIDE/CN
                E POTASSIUM CHLORIDE/CN
L27           1 SEA SPE=ON  ABB=ON  PLU=ON  POTASSIUM CHLORIDE/CN
                E SODIUM DIHYDROGENPHOSPHATE/CN
                E SODIUM DIHYDROGEN PHOSPHATE/CN
L28           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM DIHYDROGEN PHOSPHATE
                /CN
                D SCA
                E DIAMMONIUM HYDROGENPHOSPHATE/CN
                E DIAMMONIUM HYDROGEN PHOSPHATE/CN
L29           1 SEA SPE=ON  ABB=ON  PLU=ON  DIAMMONIUM HYDROGEN
                PHOSPHATE/CN
                D SCA
                E DIPOTASSIUM HYDROGENPHOSPHATE/CN
                E DIPOTASSIUM HYDROGEN PHOSPHATE/CN
L30           1 SEA SPE=ON  ABB=ON  PLU=ON  DIPOTASSIUM HYDROGEN
                PHOSPHATE/CN
                D SCA
                E CALCIUM PHOSPHATE/CN
L31           2 SEA SPE=ON  ABB=ON  PLU=ON  CALCIUM PHOSPHATE/CN
                D SCA
                E SODIUM CITRATE/CN
L32           2 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM CITRATE/CN
                D SCA
                E IRON SULFATE/CN
L33           1 SEA SPE=ON  ABB=ON  PLU=ON  IRON SULFATE/CN
                D SCA
                E CALCIUM NITRATE/CN
L34           1 SEA SPE=ON  ABB=ON  PLU=ON  CALCIUM NITRATE/CN
                E SODIUM NITRATE/CN
L35           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM NITRATE/CN
                E AMMONIUM NITRATE/CN
L36           1 SEA SPE=ON  ABB=ON  PLU=ON  AMMONIUM NITRATE/CN
                E ALUMINUM NITRATE/CN
L37           1 SEA SPE=ON  ABB=ON  PLU=ON  ALUMINUM NITRATE/CN
                E SODIUM THIOCYANATE/CN
L38           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM THIOCYANATE/CN
                E SODIUM IODIDE/CN
L39           1 SEA SPE=ON  ABB=ON  PLU=ON  SODIUM IODIDE/CN
L40          23 SEA SPE=ON  ABB=ON  PLU=ON  (L20 OR L21 OR L22 OR L23
                OR L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR
                L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38
                OR L39)
                D SCA L21
                D SCA L32
                E SODIUM CITRATE/CN
                E SODIUM CITRATE/CN 25
L41           3 SEA SPE=ON  ABB=ON  PLU=ON  ("SODIUM CITRATE ANHYDROUS"
                /CN OR "SODIUM CITRATE DIHYDRATE"/CN OR "SODIUM
                CITRATE HYDRATE"/CN)
                D SCA
L42          24 SEA SPE=ON  ABB=ON  PLU=ON  L40 OR L41

     FILE 'LREGISTRY' ENTERED AT 10:10:50 ON 28 AUG 2009
L43             STR

     FILE 'REGISTRY' ENTERED AT 10:20:45 ON 28 AUG 2009
L44          50 SEA SSS SAM L43

     FILE 'STNGUIDE' ENTERED AT 10:24:24 ON 28 AUG 2009
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     FILE 'LREGISTRY' ENTERED AT 10:28:49 ON 28 AUG 2009

     FILE 'REGISTRY' ENTERED AT 10:29:01 ON 28 AUG 2009
L45             SCR 1199
L46             SCR 1929 OR 2025 OR 2019 OR 2026 OR 1992 OR 2021
L47          50 SEA SSS SAM L43 AND L45 NOT L46
                D QUE
L48             SCR 1929 OR 2025 OR 2019 OR 2026 OR 1992 OR 2021 OR 195
L49          50 SEA SSS SAM L43 AND L45 NOT L48
L50             SCR 1929 OR 2025 OR 2019 OR 2026 OR 1992 OR 2021 OR 194
L51          50 SEA SSS SAM L43 AND L45 NOT L50
L52      370456 SEA SSS FUL L43 AND L45 NOT L50
L53           1 SEA SPE=ON  ABB=ON  PLU=ON  L2 AND L52
                D SCA
                D SCA L2
L54       12870 SEA SPE=ON  ABB=ON  PLU=ON  L52 AND A1/PG
L55          15 SEA SPE=ON  ABB=ON  PLU=ON  L52 AND ?AMMONIUM?/CNS
                D SCA
                E ACRYLIC ACID/CN
L56           1 SEA SPE=ON  ABB=ON  PLU=ON  ACRYLIC ACID/CN
                D
                E POLYACRYLIC ACID/CN
L57           1 SEA SPE=ON  ABB=ON  PLU=ON  ACRYLIC ACID HOMOPOLYMER/CN

                D
L58       70107 SEA SPE=ON  ABB=ON  PLU=ON  79-10-7/RN,CRN
L59           1 SEA SPE=ON  ABB=ON  PLU=ON  9003-01-4/RN
                E METHARYCLIC ACID/CN
                E METHYLARYCLIC ACID/CN
                E METHARYCLIC ACID HOMOPOLYMER/CN
                E METHYLMETHARYCLIC ACID HOMOPOLYMER/CN
                E METHACRYLIC ACID/CN
L60           1 SEA SPE=ON  ABB=ON  PLU=ON  METHACRYLIC ACID/CN
                D
L61       54786 SEA SPE=ON  ABB=ON  PLU=ON  79-41-4/RN,CRN
L62      118683 SEA SPE=ON  ABB=ON  PLU=ON  L58 OR L59 OR L61
L63       20091 SEA SPE=ON  ABB=ON  PLU=ON  L62 AND (A1/PG OR ?AMMONIUM
                ?/CNS)
L64       12559 SEA SPE=ON  ABB=ON  PLU=ON  L52 AND ((FORMIC OR ACETIC
                OR CITRIC OR OXALIC OR MALONIC)/CNS AND ?ACID?/CNS)
L65        5222 SEA SPE=ON  ABB=ON  PLU=ON  L64 AND 1/NC
L66      217193 SEA SPE=ON  ABB=ON  PLU=ON  L52 AND 1/NC
L67       77614 SEA SPE=ON  ABB=ON  PLU=ON  L66 AND NO RSD/FA
L68      139579 SEA SPE=ON  ABB=ON  PLU=ON  L66 NOT L67
L69       73787 SEA SPE=ON  ABB=ON  PLU=ON  L66 AND 1/NR
L70       65792 SEA SPE=ON  ABB=ON  PLU=ON  L68 NOT L69
L71      153263 SEA SPE=ON  ABB=ON  PLU=ON  L52 NOT L66
L72       56892 SEA SPE=ON  ABB=ON  PLU=ON  L71 AND NO RSD/FA
L73       96371 SEA SPE=ON  ABB=ON  PLU=ON  L71 NOT L72

     FILE 'HCAPLUS' ENTERED AT 10:55:54 ON 28 AUG 2009
L74             QUE SPE=ON  ABB=ON  PLU=ON  L42
L75        4262 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L74
L76             QUE SPE=ON  ABB=ON  PLU=ON  (L54 OR L55 OR L56 OR L57
                OR L58 OR L59 OR L60 OR L61)
L77             QUE SPE=ON  ABB=ON  PLU=ON  L62
L78             QUE SPE=ON  ABB=ON  PLU=ON  (L63 OR L64 OR L65)
L79             QUE SPE=ON  ABB=ON  PLU=ON  L67
L80             QUE SPE=ON  ABB=ON  PLU=ON  L69 OR L70
L81             QUE SPE=ON  ABB=ON  PLU=ON  L72 OR L73
L82             QUE SPE=ON  ABB=ON  PLU=ON  L54 OR L55
L83             QUE SPE=ON  ABB=ON  PLU=ON  L63
L84        4156 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND (L82 OR L83)
L85       10249 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L64
L86       14383 SEA SPE=ON  ABB=ON  PLU=ON  L75 OR L84 OR L85
L87         297 SEA SPE=ON  ABB=ON  PLU=ON  L86 AND L19
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L88         297 SEA SPE=ON  ABB=ON  PLU=ON  L87 AND (L13 OR L15 OR
                L16)
L89         981 SEA SPE=ON  ABB=ON  PLU=ON  ?POLYM?(4A)ANION?(4A)DISPER
                S?
L90          12 SEA SPE=ON  ABB=ON  PLU=ON  L88 AND L89
L91           1 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L90
                D KWIC
L92          15 SEA SPE=ON  ABB=ON  PLU=ON  L19 AND L89
L93       10948 SEA SPE=ON  ABB=ON  PLU=ON  L41
L94         561 SEA SPE=ON  ABB=ON  PLU=ON  L86 AND L93
                D KWIC

     FILE 'REGISTRY' ENTERED AT 11:15:39 ON 28 AUG 2009
                D SCA L41

     FILE 'HCAPLUS' ENTERED AT 11:16:13 ON 28 AUG 2009
                E 300 KWIC
                D 300 KWIC
L95           2 SEA SPE=ON  ABB=ON  PLU=ON  L94 AND L89
                D SCA
L96          25 SEA SPE=ON  ABB=ON  PLU=ON  L86 AND L89
L97        6017 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L61
L98       12616 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L62
L99        2242 SEA SPE=ON  ABB=ON  PLU=ON  L98 AND L63
L100         15 SEA SPE=ON  ABB=ON  PLU=ON  L99 AND L89
L101      25701 SEA SPE=ON  ABB=ON  PLU=ON  L62(3A)COPOLYMER
L102       1424 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L101
L103          9 SEA SPE=ON  ABB=ON  PLU=ON  L102 AND L89
L104         27 SEA SPE=ON  ABB=ON  PLU=ON  L90 OR L95 OR L96 OR L100
                OR L103
L105         12 SEA SPE=ON  ABB=ON  PLU=ON  L104 AND L19
L106         33 SEA SPE=ON  ABB=ON  PLU=ON  L104 OR L105 OR L18
L107       2909 SEA SPE=ON  ABB=ON  PLU=ON  ANION?(2A)DISPERS?
L108         20 SEA SPE=ON  ABB=ON  PLU=ON  L107 AND L106
L109      12616 SEA SPE=ON  ABB=ON  PLU=ON  (L97 OR L98 OR L99) OR
                L102
L110         27 SEA SPE=ON  ABB=ON  PLU=ON  L109 AND L89
L111         32 SEA SPE=ON  ABB=ON  PLU=ON  L109 AND L107
L112         42 SEA SPE=ON  ABB=ON  PLU=ON  L108 OR L110 OR L111
L113            QUE SPE=ON  ABB=ON  PLU=ON  VINYL(A)?LACTAM? OR
                VINYLLACTAM?
L114          4 SEA SPE=ON  ABB=ON  PLU=ON  L112 AND L113
                D SCA
L115          1 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L112
                D SCA
L116            QUE SPE=ON  ABB=ON  PLU=ON  ?LACTAM?
                E LACTAMS/CT 25
                E E3+ALL
L117            QUE SPE=ON  ABB=ON  PLU=ON  LACTAMS/CT
L118          7 SEA SPE=ON  ABB=ON  PLU=ON  L112 AND (L116 OR L117)
                D SCA
L119         26 SEA SPE=ON  ABB=ON  PLU=ON  L19 AND (L116 OR L117)
L120         64 SEA SPE=ON  ABB=ON  PLU=ON  L112 OR L114 OR L118 OR
                L119
L121            QUE SPE=ON  ABB=ON  PLU=ON  L2
L122        416 SEA SPE=ON  ABB=ON  PLU=ON  L19 AND L121
L123         40 SEA SPE=ON  ABB=ON  PLU=ON  L120 AND L121
L124         10 SEA SPE=ON  ABB=ON  PLU=ON  L122 AND L89
L125         17 SEA SPE=ON  ABB=ON  PLU=ON  L122 AND L107
L126         31 SEA SPE=ON  ABB=ON  PLU=ON  L120 AND L89
L127         36 SEA SPE=ON  ABB=ON  PLU=ON  L120 AND L107
L128         49 SEA SPE=ON  ABB=ON  PLU=ON  (L124 OR L125 OR L126 OR
                L127)
L129            QUE SPE=ON  ABB=ON  PLU=ON  PRODUC? OR PROD# OR
                GENERAT? OR MANUF? OR MFR# OR CREAT? OR FORM## OR
                FORMING# OR FORMAT? OR MAKE# OR MADE# OR MAKING# OR
                FABRICAT? OR SYNTHESI? OR PREPAR? OR PREP# OR PROCESS?
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                OR METHOD?
L130         40 SEA SPE=ON  ABB=ON  PLU=ON  L128 AND L129
L131            QUE SPE=ON  ABB=ON  PLU=ON  PY=<2004 NOT P/DT
L132          0 SEA SPE=ON  ABB=ON  PLU=ON  L130 AND L131
L133            QUE SPE=ON  ABB=ON  PLU=ON  (PY=<2004 OR PRY=<2004 OR
                AY=<2004 OR MY=<2004 OR REVIEW/DT) AND P/DT
L134         30 SEA SPE=ON  ABB=ON  PLU=ON  L130 AND L133
L135         30 SEA SPE=ON  ABB=ON  PLU=ON  L134 OR L132
                D L1 CC
L136            QUE SPE=ON  ABB=ON  PLU=ON  37/SC,SX
L137          8 SEA SPE=ON  ABB=ON  PLU=ON  L135 AND L136
                SAV TEMP L135 PEZ654HCP/A
L138         22 SEA SPE=ON  ABB=ON  PLU=ON  L135 NOT L137
                SAV TEMP L137 PEZ654HCPA/A
                D QUE L135
                D L137 1-8 IBIB ED ABS HITSTR HITIND
                D L138 1-22 IBIB ED ABS HITSTR HITIND
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